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THE EXCELSIOR DIARY

1901

CALENDAR, 1901

1901	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
JAN.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
FEB.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	..	..
MARCH.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..
APRIL.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	..	..	..	..
MAY.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..
JUNE.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	..	..	..	..	..	..

1901	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
JULY.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
AUG.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
SEPT.	..	..	..	..	..	..	..
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	..	..	..	..	..
OCT.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
NOV.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
DEC.	..	..	..	..	..	..	..
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..

ECLIPSES, 1901

In the year 1901 there will be two Eclipses of the Sun and one of the Moon, as follows:

I. A Total Eclipse of the Sun, May 18, invisible in the United States except in the Philippine Islands.

II. A Partial Eclipse of the Moon, Oct. 27, invisible in the United States except in Alaska, Hawaiian Islands and Philippine Islands.

III. An Annular Eclipse of the Sun, Nov. 11, invisible in the United States except in the Philippine Islands.

MORNING STARS.

(*Inferior Planets*)—MERCURY, until Jan. 14 and from March 7 to May 14, July 13 to Aug. 27 and after Nov. 4. VENUS, until April 30. (*Superior Planets*)—*West of Sun*—MARS, until Feb. 22. JUPITER, until June 30. SATURN, until July 5. URANUS, until June 6, and after Dec. 4.

EVENING STARS.

(*Inferior Planets*)—MERCURY, from Jan. 21, to March 7, May 14 to July 13, and Aug. 27 to Nov. 4. VENUS, after April 30. (*Superior Planets*)—*East of Sun*—MARS, after Feb. 22. JUPITER, after June 30. SATURN, after July 5. URANUS, from June 6 to Dec. 4.

MOVABLE FEASTS.

Septuagesima Sun...	Feb.	3	Good Friday	Apr.	5
Sexagesima " ...	"	10	Easter Sunday.....	"	7
Quinquagesima " ...	"	17	Low Sunday.....	"	14
Shrove Tuesday	"	19	Rogation Sunday....	May	12
Ash Wednesday	"	20	Ascension Thursday.	"	16
Quadragesima Sun...	"	24	Whit-Sunday (Pent.)	"	26
Mid-Lent " ...	Mar.	17	Trinity "	June	2
Passion Sunday	"	24	Corpus Christi.....	"	6
Palm Sunday	"	31	Advent Sunday	Dec.	1

CHRONOLOGICAL CYCLES.

Dominical Letter.....	F	Roman Indiction	14
Epact.....	10	Julian Period	6614
Lunar Cycle (Gold. No.)	2	Dionysian Period.....	230
Solar Cycle	6	Jewish Lunar Cycle	18

Twentieth Century begins January 1, 1901.
Mohammedan Era, year 1319, begins April 20.
Jewish Era, year 5662, begins at Sunset, September 13.

JANUARY, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 4 D.	7 h. 13 m.	6 h. 13 m.	5 h. 13 m.
Last Quarter. 12 D.	3 h. 38 m.	2 h. 38 m.	1 h. 38 m.
New Moon...20 D.	9 h. 36 m.	8 h. 36 m.	7 h. 36 m.
First Quarter. 27 D.	4 h. 52 m.	3 h. 52 m.	2 h. 52 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
7 25	4 43	3 50	4 37	1	T.	7 30	4 38	3 54	7 44
7 25	4 44	4 56	5 34	2	W.	7 30	4 39	5 1	8 43
7 25	4 45	5 57	6 27	3	Th.	7 30	4 40	6 2	9 38
7 25	4 46	rises	7 16	4	F.	7 30	4 41	rises	10 29
7 25	4 47	5 53	8 6	5	S.	7 30	4 42	5 50	11 21
7 25	4 48	6 56	8 54	6	S.	7 29	4 43	6 53	ev. 8
7 25	4 49	7 56	9 35	7	M.	7 29	4 44	7 54	54
7 24	4 50	8 58	10 15	8	T.	7 29	4 45	8 57	1 41
7 24	4 51	9 55	10 55	9	W.	7 29	4 46	9 55	2 25
7 24	4 52	10 53	11 35	10	Th	7 29	4 47	10 54	3 10
7 24	4 53	11 52	ev. 11	11	F.	7 29	4 48	11 54	3 56
7 23	4 54	morn	51	12	S.	7 28	4 50	morn	4 44
7 23	4 55	49	1 37	13	S.	7 28	4 51	52	5 34
7 23	4 56	1 46	2 28	14	M.	7 28	4 52	1 49	6 25
7 22	4 57	2 46	3 32	15	T.	7 27	4 53	2 50	7 19
7 22	4 59	3 42	4 37	16	W.	7 27	4 54	3 47	8 11
7 21	5 0	4 39	5 33	17	Th.	7 26	4 55	4 44	9 0
7 21	5 1	5 31	6 26	18	F.	7 26	4 56	5 36	9 48
7 21	5 2	6 17	7 12	19	S.	7 25	4 58	6 22	10 36
7 20	5 3	sets	8 0	20	S.	7 24	4 59	sets	11 23
7 19	5 4	6 39	8 46	21	M.	7 24	5 0	6 37	morn
7 18	5 5	7 50	9 35	22	T.	7 23	5 1	7 49	7
7 17	5 7	9 0	10 26	23	W.	7 22	5 3	9 0	55
7 17	5 8	10 11	11 14	24	Th.	7 22	5 4	10 12	1 42
7 16	5 9	11 21	morn	25	F.	7 21	5 5	11 23	2 34
7 16	5 10	morn	8	26	S.	7 20	5 6	morn	3 26
7 15	5 11	32	1 10	27	S.	7 19	5 8	35	4 24
7 14	5 13	1 39	2 14	28	M.	7 18	5 9	1 43	5 21
7 13	5 14	2 46	3 18	29	T.	7 17	5 10	2 50	6 24
7 12	5 15	3 47	4 22	30	W.	7 16	5 12	3 52	7 26
7 12	5 16	4 43	5 11	31	Th.	7 15	5 13	4 48	8 26

Heavy figures, 12 noon to 12 midnight.

FEBRUARY, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 3 D.	10 h. 30 m.	9 h. 30 m.	8 h. 30 m.
Last Quarter. 11 D.	1 h. 12 m.	0 h. 12 m.	11 h. 12 m.
New Moon...18 D.	9 h. 45 m.	8 h. 45 m.	7 h. 45 m.
First Quarter. 25 D.	1 h. 38 m.	0 h. 38 m.	11 h. 38 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
7 11	5 18	5 30	6 13	1	F.	7 14	5 14	5 34	9 23
7 10	5 19	6 11	7 2	2	S.	7 13	5 15	6 15	10 14
7 9	5 20	rises	7 47	3	S.	7 12	5 16	rises	11 4
7 7	5 21	6 45	8 28	4	M.	7 11	5 18	6 44	11 50
7 6	5 22	7 44	9 8	5	T.	7 10	5 19	7 44	ev. 32
7 5	5 23	8 42	9 44	6	W.	7 9	5 21	8 43	1 14
7 4	5 25	9 40	10 20	7	Th.	7 8	5 22	9 41	1 54
7 3	5 26	10 38	10 48	8	F.	7 6	5 23	10 40	2 35
7 2	5 27	11 34	11 22	9	S.	7 5	5 24	11 37	3 15
7 1	5 28	morn	12 0	10	S.	7 4	5 25	morn	3 59
7 0	5 30	32	ev. 43	11	M.	7 2	5 26	36	4 47
6 58	5 31	1 29	1 37	12	T.	7 1	5 28	1 34	5 38
6 57	5 32	2 25	2 39	13	W.	7 0	5 29	2 30	6 34
6 56	5 34	3 17	3 54	14	Th.	6 59	5 30	3 22	7 31
6 55	5 35	4 7	5 4	15	F.	6 57	5 32	4 11	8 28
6 53	5 36	4 50	6 3	16	S.	6 56	5 33	4 54	9 18
6 52	5 37	5 31	6 54	17	S.	6 54	5 35	5 34	10 8
6 51	5 39	6 9	7 40	18	M.	6 53	5 36	6 11	10 57
6 49	5 40	sets	8 25	19	T.	6 52	5 38	sets	11 44
6 48	5 41	7 55	9 14	20	W.	6 50	5 39	7 56	morn
6 46	5 43	9 10	10 0	21	Th.	6 48	5 40	9 11	31
6 45	5 44	10 21	10 52	22	F.	6 47	5 42	10 24	1 20
6 44	5 45	11 32	11 46	23	S.	6 45	5 43	11 36	2 12
6 42	5 46	morn	morn	24	S.	6 44	5 45	morn	3 5
6 41	5 48	39	47	25	M.	6 42	5 46	43	4 0
6 39	5 49	1 42	1 52	26	T.	6 41	5 47	1 47	5 1
6 38	5 50	2 39	3 0	27	W.	6 39	5 49	2 43	6 4
6 37	5 51	3 27	4 3	28	Th.	6 38	5 50	3 31	7 8

MARCH, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 5 D.	3 h. 4 m.	2 h. 4 m.	1 h. 4 m.
Last Quarter. 13 D.	8 h. 6 m.	7 h. 6 m.	6 h. 6 m.
New Moon... 20 D.	7 h. 53 m.	6 h. 53 m.	5 h. 53 m.
First Quarter. 26 D.	11 h. 39 m.	10 h. 39 m.	9 h. 39 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
6 35	5 53	4 11	5 0	1	F.	6 36	5 51	4 14	8 9
6 34	5 53	4 48	5 54	2	S.	6 35	5 52	4 51	9 6
6 32	5 54	5 20	6 42	3	S.	6 33	5 53	5 22	9 58
6 30	5 55	5 50	7 25	4	M.	6 31	5 54	5 51	10 45
6 29	5 56	rises	8 4	5	T.	6 30	5 55	rises	11 28
6 27	5 57	7 29	8 38	6	W.	6 28	5 56	7 30	ev. 10
6 25	5 58	8 28	9 12	7	Th.	6 26	5 57	8 30	46
6 24	5 59	9 25	9 44	8	F.	6 25	5 58	9 28	1 24
6 22	6 0	10 22	10 12	9	S.	6 23	5 59	10 26	2 1
6 20	6 1	11 19	10 44	10	S.	6 21	6 0	11 23	2 41
6 19	6 2	morn	11 24	11	M.	6 20	6 2	morn	3 24
6 17	6 3	15	ev. 8	12	T.	6 18	6 3	19	4 11
6 16	6 4	1 6	1 3	13	W.	6 16	6 4	1 10	5 3
6 14	6 5	1 55	2 8	14	Th.	6 14	6 5	2 0	5 58
6 12	6 6	2 42	3 27	15	F.	6 13	6 6	2 46	6 56
6 11	6 8	3 22	4 38	16	S.	6 11	6 7	3 25	7 54
6 9	6 9	4 1	5 35	17	S.	6 9	6 9	4 4	8 48
6 7	6 10	4 37	6 28	18	M.	6 7	6 10	4 38	9 41
6 6	6 11	5 12	7 17	19	T.	6 6	6 11	5 12	10 32
6 4	6 12	sets	8 4	20	W.	6 4	6 12	sets	11 21
6 2	6 13	7 58	8 53	21	Th.	6 2	6 13	8 1	morn
6 1	6 14	9 13	9 41	22	F.	6 0	6 14	9 16	8
5 59	6 15	10 25	10 34	23	S.	5 59	6 15	10 30	58
5 58	6 16	11 31	11 26	24	S.	5 57	6 16	11 35	1 50
5 56	6 17	morn	morn	25	M.	5 55	6 17	morn	2 44
5 54	6 18	32	25	26	T.	5 53	6 18	36	3 40
5 52	6 19	1 24	1 30	27	W.	5 52	6 19	1 29	4 40
5 51	6 20	2 10	2 37	28	Th.	5 50	6 20	2 14	5 44
5 49	6 21	2 47	3 43	29	F.	5 48	6 21	2 51	6 48
5 47	6 22	3 22	4 41	30	S.	5 46	6 22	3 24	7 50
5 45	6 23	3 52	5 32	31	S.	5 44	6 23	3 53	8 48

APRIL, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 3 D.	8 h. 20 m.	7 h. 20 m.	6 h. 20 m.
Last Quarter. 11 D.	10 h. 57 m.	9 h. 57 m.	8 h. 57 m.
New Moon... 18 D.	4 h. 37 m.	3 h. 37 m.	2 h. 37 m.
First Quarter. 25 D.	11 h. 15 m.	10 h. 15 m.	9 h. 15 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
5 44	6 24	4 15	6 16	1	M.	5 43	6 25	4 14	9 37
5 42	6 26	4 47	6 56	2	T.	5 41	6 27	4 47	10 22
5 41	6 27	rises	7 34	3	W.	5 40	6 28	rises	11 4
5 39	6 28	7 17	8 8	4	Th.	5 38	6 29	7 19	11 41
5 37	6 29	8 15	8 40	5	F.	5 36	6 30	8 18	ev. 17
5 36	6 30	9 11	9 10	6	S.	5 35	6 31	9 15	54
5 34	6 31	10 7	9 42	7	S.	5 33	6 32	10 12	1 31
5 33	6 32	10 59	10 16	8	M.	5 31	6 33	11 4	2 11
5 31	6 33	11 49	10 58	9	T.	5 30	6 34	11 54	2 53
5 30	6 34	morn	11 46	10	W.	5 28	6 36	morn	3 40
5 28	6 35	34	ev. 44	11	Th.	5 26	6 37	39	4 32
5 26	6 36	1 16	1 52	12	F.	5 25	6 38	1 20	5 28
5 25	6 37	1 55	3 0	13	S.	5 23	6 39	1 58	6 25
5 24	6 38	2 31	4 12	14	S.	5 21	6 40	2 33	7 23
5 22	6 39	3 6	5 8	15	M.	5 20	6 41	3 7	8 18
5 20	6 40	3 40	6 4	16	T.	5 18	6 42	3 40	9 12
5 19	6 41	4 16	6 52	17	W.	5 16	6 43	4 14	10 6
5 17	6 42	4 54	7 42	18	Th.	5 15	6 45	4 51	10 56
5 16	6 43	sets	8 31	19	F.	5 13	6 46	sets	11 46
5 14	6 44	9 11	9 22	20	S.	5 12	6 47	9 15	morn
5 13	6 45	10 16	10 12	21	S.	5 10	6 48	10 21	38
5 11	6 46	11 15	11 6	22	M.	5 9	6 49	11 19	1 28
5 10	6 47	morn	morn	23	T.	5 7	6 50	morn	2 21
5 8	6 48	5	3	24	W.	5 6	6 51	10	3 17
5 7	6 49	47	1 5	25	Th.	5 4	6 52	50	4 16
5 6	6 50	1 23	2 11	26	F.	5 3	6 53	1 26	5 19
5 4	6 51	1 54	3 12	27	S.	5 1	6 55	1 56	6 24
5 3	6 52	2 24	4 11	28	S.	5 0	6 56	2 25	7 24
5 2	6 53	2 51	5 3	29	M.	4 58	6 57	2 51	8 20
5 0	6 55	3 18	5 46	30	T.	4 57	6 58	3 17	9 8

MAY, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 3 D.	1 h. 19 m.	0 h. 19 m.	11 h. 19 m.
Last Quarter. 11 D.	9 h. 38 m.	8 h. 38 m.	7 h. 38 m.
New Moon... 18 D.	0 h. 37 m.	11 h. 37(17)	10 h. 37(17)
First Quarter. 25 D.	0 h. 39 m.	11 h. 39(24)	10 h. 39(24)

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
4 59	6 56	3 45	6 28	1	W.	4 56	7 0	3 43	9 54
4 58	6 57	4 15	7 3	2	Th.	4 54	7 1	4 12	10 33
4 56	6 58	rises	7 37	3	F.	4 53	7 2	rises	11 12
4 55	6 59	8 1	8 12	4	S.	4 52	7 3	8 5	11 47
4 54	7 0	8 56	8 42	5	S.	4 51	7 4	9 0	ev. 25
4 53	7 1	9 45	9 16	6	M.	4 49	7 5	9 50	1 4
4 52	7 2	10 33	9 57	7	T.	4 48	7 6	10 38	1 44
4 51	7 3	11 17	10 41	8	W.	4 47	7 7	11 21	2 28
4 49	7 4	11 54	11 31	9	Th.	4 46	7 8	11 57	3 12
4 48	7 5	morn	ev. 28	10	F.	4 44	7 9	morn	4 7
4 47	7 6	30	1 34	11	S.	4 43	7 10	33	5 3
4 46	7 7	1 4	2 40	12	S.	4 42	7 11	1 5	6 0
4 45	7 8	1 36	3 46	13	M.	4 41	7 12	1 37	6 57
4 44	7 9	2 9	4 44	14	T.	4 40	7 13	2 9	7 54
4 43	7 10	2 45	5 38	15	W.	4 39	7 14	2 43	8 48
4 42	7 11	3 25	6 31	16	Th.	4 38	7 15	3 22	9 43
4 41	7 12	4 9	7 24	17	F.	4 37	7 16	4 5	10 34
4 40	7 13	sets	8 14	18	S.	4 36	7 17	sets	11 27
4 39	7 14	8 58	9 4	19	S.	4 35	7 18	9 3	morn
4 39	7 15	9 54	9 55	20	M.	4 34	7 19	9 58	17
4 38	7 16	10 41	10 45	21	T.	4 33	7 20	10 45	1 10
4 37	7 17	11 20	11 41	22	W.	4 32	7 21	11 23	2 3
4 36	7 18	11 56	morn	23	Th.	4 31	7 22	11 58	2 56
4 36	7 19	morn	36	24	F.	4 31	7 23	morn	3 53
4 35	7 20	25	1 34	25	S.	4 30	7 24	27	4 51
4 34	7 20	54	2 34	26	S.	4 29	7 25	55	5 51
4 34	7 21	1 20	3 31	27	M.	4 29	7 26	1 20	6 50
4 33	7 22	1 50	4 22	28	T.	4 28	7 27	1 48	7 46
4 32	7 23	2 17	5 8	29	W.	4 27	7 28	2 15	8 35
4 32	7 23	2 49	5 53	30	Th.	4 27	7 28	2 46	9 18
4 31	7 24	3 22	6 31	31	F.	4 26	7 29	3 18	10 1

JUNE, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 2 D.	4 h. 52 m.	3 h. 52 m.	2 h. 52 m.
Last Quarter. 9 D.	5 h. 0 m.	4 h. 0 m.	3 h. 0 m.
New Moon... 16 D.	8 h. 33 m.	7 h. 33 m.	6 h. 33 m.
First Quarter. 23 D.	3 h. 59 m.	2 h. 59 m.	1 h. 59 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon sets	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon sets	H. W. Boston. N. Yard
4 31	7 24	4 2	7 10	1	S.	4 25	7 30	3 57	10 40
4 30	7 25	rises	7 45	2	S.	4 25	7 30	rises	11 18
4 30	7 26	8 32	8 21	3	M.	4 25	7 31	8 36	11 56
4 30	7 26	9 15	9 0	4	T.	4 24	7 32	9 20	ev. 36
4 29	7 27	9 55	9 40	5	W.	4 24	7 32	9 58	1 18
4 29	7 28	10 33	10 28	6	Th.	4 24	7 33	10 36	2 6
4 29	7 28	11 6	11 18	7	F.	4 23	7 33	11 7	2 53
4 29	7 29	11 37	ev. 14	8	S.	4 23	7 34	11 38	3 44
4 28	7 30	morn	1 15	9	S.	4 23	7 35	morn	4 38
4 28	7 30	10	2 17	10	M.	4 23	7 36	9	5 35
4 28	7 31	43	3 21	11	T.	4 22	7 36	42	6 34
4 28	7 31	1 19	4 20	12	W.	4 22	7 37	1 17	7 29
4 28	7 32	1 59	5 20	13	Th.	4 22	7 37	1 56	8 26
4 28	7 32	2 46	6 14	14	F.	4 22	7 38	2 41	9 21
4 28	7 32	3 40	7 6	15	S.	4 22	7 38	3 36	10 17
4 28	7 33	sets	7 57	16	S.	4 22	7 38	sets	11 10
4 28	7 33	8 31	8 47	17	M.	4 22	7 39	8 36	morn
4 28	7 33	9 15	9 35	18	T.	4 22	7 39	9 19	1
4 28	7 34	9 55	10 24	19	W.	4 22	7 39	9 56	51
4 29	7 34	10 26	11 12	20	Th.	4 23	7 40	10 27	1 42
4 29	7 34	10 54	12 0	21	F.	4 23	7 40	10 55	2 32
4 29	7 34	11 23	morn	22	S.	4 23	7 40	11 23	3 25
4 29	7 34	11 51	48	23	S.	4 23	7 40	11 50	4 18
4 29	7 34	morn	1 41	24	M.	4 23	7 40	morn	5 13
4 30	7 35	19	2 33	25	T.	4 24	7 41	17	6 7
4 30	7 35	50	3 26	26	W.	4 24	7 41	47	7 2
4 30	7 35	1 23	4 20	27	Th.	4 24	7 41	1 19	7 52
4 31	7 35	1 58	5 10	28	F.	4 25	7 40	1 54	8 40
4 31	7 35	2 40	5 56	29	S.	4 25	7 40	2 36	9 24
4 32	7 35	3 30	6 42	30	S.	4 26	7 40	3 25	10 6
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JULY, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Full Moon... 1 D.	6 h. 17 m.	5 h. 17 m.	4 h. 17 m.
Last Quarter. 8 D.	10 h. 20 m.	9 h. 20 m.	8 h. 20 m.
New Moon...15 D.	5 h. 10 m.	4 h. 10 m.	3 h. 10 m.
First Quarter.23 D.	8 h. 58 m.	7 h. 58 m.	6 h. 58 m.
Full Moon...31 D.	5 h. 33 m.	4 h. 33 m.	3 h. 33 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
4 32	7 35	7 13	7 18	1	M.	4 26	7 40	7 18	10 47
4 32	7 35	7 55	8 1	2	T.	4 26	7 40	7 59	11 29
4 33	7 34	8 34	8 41	3	W.	4 27	7 40	8 38	ev. 12
4 33	7 34	9 9	9 25	4	Th.	4 28	7 40	9 11	50
4 34	7 34	9 41	10 13	5	F.	4 29	7 39	9 43	1 43
4 35	7 34	10 12	11 2	6	S.	4 29	7 39	10 12	2 30
4 35	7 33	10 46	11 56	7	S.	4 30	7 39	10 45	3 21
4 36	7 33	11 20	ev. 52	8	M.	4 30	7 38	11 18	4 15
4 37	7 33	11 57	1 54	9	T.	4 31	7 38	11 54	5 12
4 37	7 32	morn	2 57	10	W.	4 32	7 38	morn	6 10
4 38	7 32	41	4 2	11	Th.	4 33	7 37	37	7 10
4 39	7 31	1 29	5 1	12	F.	4 33	7 37	1 25	8 8
4 39	7 31	2 25	5 55	13	S.	4 34	7 36	2 20	9 5
4 40	7 30	3 25	6 52	14	S.	4 35	7 36	3 21	10 0
4 41	7 30	4 29	7 42	15	M.	4 36	7 35	4 24	10 54
4 42	7 29	sets	8 28	16	T.	4 37	7 34	sets	11 44
4 43	7 29	8 23	9 14	17	W.	4 37	7 34	8 25	morn
4 44	7 28	8 54	9 58	18	Th.	4 38	7 33	8 55	31
4 44	7 27	9 23	10 38	19	F.	4 39	7 32	9 23	1 19
4 45	7 26	9 53	11 20	20	S.	4 40	7 31	9 52	2 6
4 46	7 26	10 21	12 0	21	S.	4 41	7 30	10 19	2 52
4 47	7 25	10 50	morn	22	M.	4 42	7 30	10 48	3 40
4 48	7 24	11 21	38	23	T.	4 43	7 29	11 18	4 28
4 48	7 23	11 58	1 27	24	W.	4 44	7 28	11 54	5 19
4 49	7 23	morn	2 18	25	Th.	4 45	7 27	morn	6 11
4 50	7 22	36	3 16	26	F.	4 46	7 26	32	7 5
4 51	7 21	1 22	4 22	27	S.	4 47	7 25	1 17	7 56
4 52	7 20	2 12	5 17	28	S.	4 48	7 24	2 8	8 45
4 53	7 19	3 8	6 8	29	M.	4 49	7 23	3 3	9 32
4 54	7 18	4 10	6 56	30	T.	4 50	7 22	4 6	10 17
4 55	7 17	5 13	7 40	31	W.	4 51	7 21	5 10	11 1

AUGUST, 1901

MOON'S PHASES	East. Time.	Cent. Time.	West. Time.
Last Quarter. 7 D.	3 h. 2 m.	2 h. 2 m.	1 h. 2 m.
New Moon...14 D.	3 h. 27 m.	2 h. 27 m.	1 h. 27 m.
First Quarter.22 D.	2 h. 52 m.	1 h. 52 m.	0 h. 52 m.
Full Moon...29 D.	3 h. 21 m.	2 h. 21 m.	1 h. 21 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
4 56	7 16	7 43	8 24	1	Th.	4 52	7 20	7 44	11 47
4 57	7 14	8 16	9 8	2	F.	4 53	7 18	8 16	ev. 31
4 58	7 13	8 49	9 54	3	S.	4 54	7 17	8 48	1 18
4 59	7 12	9 23	10 43	4	S.	4 55	7 16	9 22	2 6
5 0	7 11	10 0	11 35	5	M.	4 56	7 15	9 57	2 57
5 1	7 10	10 40	ev. 30	6	T.	4 57	7 14	10 37	3 51
5 2	7 9	11 26	1 33	7	W.	4 58	7 12	11 22	4 50
5 3	7 7	morn	2 38	8	Th.	4 59	7 11	morn	5 48
5 4	7 6	18	3 44	9	F.	5 0	7 10	14	6 50
5 5	7 5	1 16	4 47	10	S.	5 1	7 8	1 12	7 52
5 6	7 4	2 17	5 43	11	S.	5 2	7 7	2 13	8 50
5 7	7 2	3 20	6 35	12	M.	5 3	7 6	3 16	9 46
5 8	7 1	4 26	7 24	13	T.	5 4	7 4	4 23	10 37
5 9	7 0	sets	8 10	14	W.	5 5	7 3	sets	11 26
5 10	6 58	7 24	8 53	15	Th.	5 6	7 1	7 25	morn
5 11	6 57	7 54	9 28	16	F.	5 7	7 0	7 54	12
5 12	6 55	8 22	10 6	17	S.	5 8	6 58	8 21	56
5 13	6 54	8 51	10 40	18	S.	5 10	6 57	8 49	1 38
5 14	6 53	9 22	11 14	19	M.	5 11	6 55	9 19	2 20
5 15	6 51	9 57	11 52	20	T.	5 12	6 54	9 53	3 2
5 16	6 50	10 34	morn	21	W.	5 13	6 52	10 29	3 47
5 16	6 48	11 14	33	22	Th.	5 14	6 51	11 10	4 35
5 17	6 47	morn	1 18	23	F.	5 15	6 49	11 58	5 27
5 18	6 45	2	2 22	24	S.	5 16	6 48	morn	6 18
5 19	6 44	56	3 34	25	S.	5 17	6 46	51	7 14
5 20	6 42	1 53	4 44	26	M.	5 18	6 44	1 49	8 7
5 21	6 41	2 55	5 41	27	T.	5 19	6 43	2 52	8 57
5 22	6 39	4 3	6 30	28	W.	5 20	6 41	4 0	9 46
5 23	6 37	rises	7 16	29	Th.	5 21	6 39	rises	10 33
5 24	6 36	6 46	8 0	30	F.	5 22	6 38	6 45	11 18
5 25	6 34	7 23	8 46	31	S.	5 23	6 36	7 22	ev. 6

SEPTEMBER, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 5 D.	8 h. 27 m.	7 h. 27 m.	6 h. 27 m.
New Moon...12 D.	4 h. 18 m.	3 h. 18 m.	2 h. 18 m.
First Quarter. 20 D.	8 h. 33 m.	7 h. 33 m.	6 h. 33 m.
Full Moon...28 D.	0 h. 35 m.	11 h. 35(27)	10 h. 35(27)

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
5 26	6 33	8 2	9 34	1	S.	5 24	6 35	8 0	ev. 52
5 27	6 31	8 41	10 21	2	M.	5 26	6 33	8 37	1 44
5 28	6 29	9 26	11 14	3	T.	5 27	6 31	9 22	2 36
5 29	6 28	10 16	ev. 10	4	W.	5 28	6 29	10 11	3 30
5 30	6 26	11 11	1 14	5	Th.	5 29	6 28	11 7	4 28
5 31	6 25	morn	2 22	6	F.	5 30	6 26	morn	5 30
5 32	6 23	10	3 27	7	S.	5 31	6 24	6	6 34
5 33	6 21	1 12	4 30	8	S.	5 32	6 22	1 8	7 36
5 34	6 20	2 15	5 26	9	M.	5 33	6 21	2 12	8 16
5 35	6 18	3 19	6 17	10	T.	5 34	6 19	3 16	9 13
5 36	6 16	4 21	7 4	11	W.	5 35	6 17	4 19	10 4
5 37	6 15	5 21	7 44	12	Th.	5 36	6 15	5 21	10 48
5 38	6 13	sets	8 22	13	F.	5 37	6 14	sets	11 30
5 39	6 11	6 54	9 0	14	S.	5 38	6 12	6 52	morn
5 40	6 9	7 24	9 32	15	S.	5 39	6 10	7 21	9
5 41	6 8	7 56	10 2	16	M.	5 40	6 8	7 53	47
5 42	6 6	8 31	10 34	17	T.	5 41	6 7	8 27	1 27
5 43	6 4	9 12	11 10	18	W.	5 43	6 5	9 7	2 6
5 44	6 3	9 56	11 53	19	Th.	5 44	6 3	9 52	2 48
5 45	6 1	10 47	morn	20	F.	5 45	6 1	10 42	3 32
5 46	5 59	11 41	42	21	S.	5 46	6 0	11 36	4 18
5 47	5 58	morn	1 44	22	S.	5 47	5 58	morn	5 13
5 48	5 56	40	3 0	23	M.	5 48	5 56	36	6 5
5 49	5 55	1 43	4 11	24	T.	5 49	5 54	1 40	7 3
5 50	5 53	2 48	5 11	25	W.	5 50	5 53	2 46	7 56
5 51	5 52	3 57	6 4	26	Th.	5 51	5 51	3 56	8 50
5 52	5 50	5 6	6 52	27	F.	5 52	5 49	5 6	9 40
5 53	5 48	rises	7 39	28	S.	5 53	5 47	rises	10 30
5 54	5 46	6 36	8 24	29	S.	5 54	5 46	6 33	11 18
5 54	5 44	7 21	9 12	30	M.	5 56	5 44	7 18	ev. 7
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OCTOBER, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 4 D.	3 h. 52 m.	2 h. 52 m.	1 h. 52 m.
New Moon...12 D.	8 h. 11 m.	7 h. 11 m.	6 h. 11 m.
First Quarter. 20 D.	0 h. 57 m.	11 h. 57 m.	10 h. 57 m.
Full Moon...27 D.	10 h. 6 m.	9 h. 6 m.	8 h. 6 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
5 56	5 43	8 11	10 1	1	T.	5 57	5 42	8 7	ev. 58
5 57	5 41	9 5	10 54	2	W.	5 58	5 40	9 1	2 14
5 58	5 39	10 6	11 52	3	Th.	5 59	5 39	10 2	3 8
5 59	5 38	11 7	ev. 56	4	F.	6 0	5 37	11 3	4 7
6 0	5 36	morn	2 4	5	S.	6 1	5 35	morn	5 11
6 1	5 35	10	3 7	6	S.	6 2	5 33	7	6 13
6 2	5 33	1 12	4 11	7	M.	6 3	5 32	1 9	7 20
6 3	5 31	2 13	5 6	8	T.	6 4	5 30	2 11	8 20
6 4	5 30	3 15	5 56	9	W.	6 6	5 28	3 14	9 13
6 5	5 28	4 15	6 37	10	Th.	6 7	5 27	4 16	10 1
6 7	5 27	4 59	7 18	11	F.	6 8	5 25	4 58	10 46
6 8	5 25	6 9	7 55	12	S.	6 9	5 23	6 11	11 26
6 9	5 23	sets	8 20	13	S.	6 10	5 22	sets	morn
6 10	5 22	6 31	9 2	14	M.	6 11	5 20	6 27	3
6 11	5 20	7 9	9 33	15	T.	6 13	5 19	7 5	40
6 12	5 19	7 53	10 5	16	W.	6 14	5 17	7 48	1 18
6 13	5 17	8 41	10 43	17	Th.	6 15	5 15	8 36	1 56
6 14	5 16	9 32	11 27	18	F.	6 16	5 14	9 27	2 38
6 15	5 14	10 27	morn	19	S.	6 17	5 12	10 24	3 24
6 16	5 13	11 28	18	20	S.	6 18	5 11	11 25	4 14
6 18	5 12	morn	1 22	21	M.	6 20	5 9	morn	5 7
6 19	5 10	29	2 32	22	T.	6 21	5 8	27	6 4
6 20	5 9	1 34	3 38	23	W.	6 22	5 6	1 33	7 0
6 21	5 7	2 42	4 40	24	Th.	6 23	5 5	2 41	7 54
6 22	5 6	3 50	5 34	25	F.	6 24	5 3	3 51	8 48
6 23	5 4	5 3	6 24	26	S.	6 26	5 2	5 5	9 40
6 24	5 3	rises	7 16	27	S.	6 27	5 1	rises	10 30
6 26	5 2	5 58	8 3	28	M.	6 28	4 59	5 54	11 20
6 27	5 1	6 54	8 52	29	T.	6 29	4 58	6 50	ev. 8
6 28	4 59	7 54	9 44	30	W.	6 31	4 57	7 49	1 0
6 29	4 58	8 58	10 37	31	Th.	6 32	4 55	8 53	1 53

NOVEMBER, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 3 D.	2 h. 24 m.	1 h. 24 m.	0 h. 24 m.
New Moon...11 D.	2 h. 34 m.	1 h. 34 m.	0 h. 34 m.
First Quarter. 19 D.	3 h. 23 m.	2 h. 23 m.	1 h. 23 m.
Full Moon...25 D.	8 h. 17 m.	7 h. 17 m.	6 h. 17 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN TIME.			MEAN TIME.			STAN. TIME
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
6 30	4 57	10 2	11 34	1	F.	6 33	4 54	9 58	2 48
6 31	4 56	11 4	ev. 34	2	S.	6 34	4 53	11 1	3 47
6 32	4 54	morn	1 37	3	S.	6 36	4 51	morn	4 48
6 34	4 52	8	2 41	4	M.	6 37	4 50	6	5 54
6 35	4 52	1 7	3 42	5	T.	6 38	4 49	1 6	7 0
6 36	4 51	2 6	4 37	6	W.	6 39	4 48	2 5	7 57
6 37	4 50	3 5	5 26	7	Th.	6 41	4 47	3 6	8 50
6 38	4 49	4 3	6 10	8	F.	6 42	4 45	4 4	9 38
6 40	4 48	5 0	6 51	9	S.	6 43	4 44	5 3	10 20
6 41	4 47	5 56	7 26	10	S.	6 44	4 43	5 59	11 0
6 42	4 46	sets	8 1	11	M.	6 46	4 42	sets	11 37
6 43	4 45	5 50	8 34	12	T.	6 47	4 41	5 46	morn
6 44	4 44	6 36	9 6	13	W.	6 48	4 40	6 32	11
6 46	4 43	7 26	9 44	14	Th.	6 49	4 39	7 22	55
6 47	4 42	8 20	10 24	15	F.	6 51	4 39	8 16	1 30
6 48	4 41	9 20	11 10	16	S.	6 52	4 38	9 16	2 11
6 49	4 40	10 18	morn	17	S.	6 53	4 37	10 15	2 56
6 50	4 39	11 20	3	18	M.	6 54	4 36	11 19	3 47
6 51	4 39	morn	1 2	19	T.	6 56	4 35	morn	4 38
6 53	4 38	44	2 6	20	W.	6 57	4 34	43	5 34
6 54	4 38	1 33	3 12	21	Th.	6 58	4 34	1 34	6 30
6 55	4 37	2 38	4 12	22	F.	6 59	4 33	2 40	7 26
6 56	4 36	3 49	5 7	23	S.	7 0	4 32	3 51	8 21
6 57	4 36	5 1	6 1	24	S.	7 2	4 32	5 4	9 14
6 58	4 35	6 15	6 54	25	M.	7 3	4 31	6 19	10 8
6 59	4 35	rises	7 45	26	T.	7 4	4 31	rises	11 0
7 0	4 35	6 37	8 27	27	W.	7 5	4 30	6 33	11 51
7 2	4 34	7 44	9 26	28	Th.	7 6	4 30	7 40	ev. 42
7 3	4 34	8 50	10 21	29	F.	7 7	4 30	8 47	1 34
7 4	4 34	9 56	11 24	30	S.	7 8	4 29	9 53	2 28
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DECEMBER, 1901

MOON'S PHASES.	East. Time.	Cent. Time.	West. Time.
Last Quarter. 2 D.	4 h. 49 m.	3 h. 49 m.	2 h. 49 m.
New Moon...10 D.	9 h. 53 m.	8 h. 53 m.	7 h. 53 m.
First Quarter. 18 D.	3 h. 35 m.	2 h. 35 m.	1 h. 35 m.
Full Moon...25 D.	7 h. 16 m.	6 h. 16 m.	5 h. 16 m.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., & Ill.				D. OF MO.	D. OF WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon.			
MEAN TIME.			STAN. TIME.			MEAN TIME.			STAN. TIME.
Sun rises	Sun sets	Moon rises	H. W. N. Y. Gov. Is.			Sun rises	Sun sets	Moon rises	H. W. Boston. N. Yard
7 5	4 34	10 59	ev. 10	1	S.	7 10	4 29	10 57	3 25
7 6	4 33	11 59	1 6	2	M.	7 11	4 29	11 59	4 24
7 7	4 33	morn	2 6	3	T.	7 12	4 28	morn	5 25
7 8	4 33	57	3 4	4	W.	7 13	4 28	58	6 26
7 9	4 32	1 56	4 0	5	Th.	7 14	4 28	1 57	7 26
7 10	4 32	2 54	4 52	6	F.	7 15	4 28	2 56	8 21
7 11	4 32	3 50	5 37	7	S.	7 16	4 28	3 53	9 10
7 12	4 32	4 46	6 20	8	S.	7 17	4 28	4 50	9 54
7 13	4 32	5 41	7 0	9	M.	7 17	4 28	5 46	10 30
7 14	4 32	6 34	7 36	10	T.	7 18	4 28	6 39	11 8
7 15	4 32	sets	8 10	11	W.	7 19	4 28	sets	11 44
7 15	4 32	6 17	8 46	12	Th.	7 20	4 28	6 13	morn
7 16	4 33	7 12	9 24	13	F.	7 21	4 28	7 9	24
7 16	4 33	8 12	10 6	14	S.	7 22	4 28	8 9	1 4
7 17	4 33	9 13	10 53	15	S.	7 22	4 29	9 11	1 46
7 18	4 33	10 15	11 44	16	M.	7 23	4 29	10 14	2 31
7 18	4 33	11 19	morn	17	T.	7 24	4 29	11 18	3 20
7 19	4 34	morn	38	18	W.	7 24	4 29	morn	4 11
7 20	4 34	23	1 42	19	Th.	7 25	4 30	24	5 5
7 20	4 35	1 30	2 43	20	F.	7 26	4 30	1 32	6 3
7 21	4 35	2 40	3 45	21	S.	7 26	4 31	2 42	7 0
7 21	4 36	3 49	4 45	22	S.	7 26	4 31	3 53	7 57
7 22	4 37	5 0	5 44	23	M.	7 27	4 32	5 4	8 54
7 22	4 37	6 8	6 37	24	T.	7 27	4 32	6 12	9 50
7 23	4 38	rises	7 31	25	W.	7 28	4 33	rises	10 44
7 23	4 39	6 29	8 22	26	Th.	7 28	4 33	6 25	11 34
7 23	4 39	7 36	9 11	27	F.	7 28	4 34	7 33	ev. 26
7 23	4 40	8 42	10 0	28	S.	7 29	4 35	8 40	1 17
7 24	4 40	9 47	10 50	29	S.	7 29	4 36	9 46	2 7
7 24	4 41	10 47	11 37	30	M.	7 29	4 37	10 47	3 0
7 24	4 42	11 46	ev. 27	31	T.	7 30	4 37	11 49	3 55

Domestic Postage.

FIRST CLASS.—Letters and all written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner, so that it cannot be easily examined, **two cents per ounce** or fraction thereof. A "Special Delivery" ten-cent stamp, when attached to a letter in addition to the lawful postage, shall entitle the letter to immediate delivery at, or within one mile of, any post-office. Postal cards, one cent each; with paid reply, two cents each.

SECOND CLASS.—All regular newspapers, magazines, and other periodicals issued at intervals not exceeding three months; the postage is **one cent for each four ounces,** payable by postage stamps.

THIRD CLASS.—Embraces **printed books,** pamphlets, circulars, engravings, lithographs, proof-sheets and manuscript accompanying the same, and all matter of the same general character, and not having the character of personal correspondence. Circulars produced by hektograph or similar process, or by electric pen, are rated as third class. The limit of weight for mail matter of the third class is four pounds, except in the case of single books exceeding that weight. The rate of postage on mail matter of the third class is **one cent for each two ounces** or fraction thereof.

FOURTH CLASS.—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily taken from the wrapper and examined. Rate, **one cent per ounce** or fraction thereof, except seeds, roots, cuttings, bulbs, plants and scions, which are 1 cent per two ounces. Limit of weight, 4 lbs. Full prepayment compulsory. Liquids, and other like injurious matter, not admitted, except under conditions which may be learned at any post-office.

Register all valuable letters and packages. **Registry fee, eight cents,** which, with the postage, must be fully prepaid.

FEES CHARGED FOR MONEY-ORDERS.—For Money Orders in denominations of $100 or less, the following fees are charged: For Orders for sums not exceeding $2.50, 3 cents; $2.50 to $5, 5 cents; $5 to $10, 8 cents; $10 to $20, 10 cents; $20 to $30, 12 cents; $30 to $40, 15 cents; $40 to $50, 18 cents; $50 to $60, 20 cents; $60 to $75, 25 cents; $75 to $100, 30 cents.

Foreign Postage.

To all Foreign Countries (except Canada and Mexico):

On Letters, **five cents for each half ounce** or fraction thereof—prepayment optional. Double rates are collected on delivery of unpaid or short-paid letters.

On newspapers, books, pamphlets, photographs, sheet music, maps, engravings, and similar printed matter, **one cent for each two ounces** or fraction thereof. Limit, 4 lbs. 6 ozs.

TO CANADA (including Nova Scotia, New Brunswick, Manitoba, and Prince Edward Island): LETTERS, **two cents for each ounce** or fraction thereof; Books, Circulars, and similar printed matter, **one cent for each two ounces** or fraction thereof; SECOND CLASS MATTER same as in the United States; SAMPLES, **one cent per two ounces**; MERCHANDISE, **one cent per ounce.** Packages must not exceed 4 lbs. in weight—prepayment compulsory. No *sealed* packages other than letters in their usual and ordinary form may be sent by mail to Canada.

TO MEXICO: Letters, Postal Cards, and printed matter, same rates as in the United States. SAMPLES, **one cent per two ounces**; MERCHANDISE other than Samples can only be sent by Parcel Post. No *sealed* packages other than letters in their usual and ordinary form may be sent by mail to Mexico.

TO PHILIPPINES, GUAM and PORTO RICO, same rates as in the United States.

LIMITS OF SIZE AND WEIGHT: Packages of samples of merchandise to all countries must not exceed 12 ozs., nor measure more than 12 inches in length, 8 in breadth, and 4 in depth; and packages of printed matter must not exceed 4 lbs. 6 ozs.

INTERNATIONAL OR FOREIGN MONEY-ORDER FEES.

On Money Orders payable in foreign countries the following fees are charged:

For Orders for sums of $10 or less	10 cents.
Over $10 and not exceeding $20	20 cents.
Over 20 and not exceeding 30	30 cents.
Over 30 and not exceeding 40	40 cents.
Over 40 and not exceeding 50	50 cents.
Over 50 and not exceeding 60	60 cents.
Over 60 and not exceeding 70	70 cents.
Over 70 and not exceeding 80	80 cents.
Over 80 and not exceeding 90	90 cents.
Over 90 and not exceeding 100	$1.00.

Interest Tables.

4%	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY.	0	0	0	0	0	0	0	0	0	0	5	45
8 "	0	0	0	0	0	0	0	0	1	1	9	89
12 "	0	0	0	0	0	1	1	1	1	2	14	1.34
16 "	0	0	0	0	1	1	1	2	2	2	18	1.78
20 "	0	0	0	1	1	2	2	2	2	2	22	2.22
24 "	0	0	1	1	2	2	2	2	3	3	27	2.67
28 "	0	0	1	1	2	2	2	3	3	3	31	3.11
1 MO..	0	0	1	2	2	2	3	3	3	4	34	3.34
2 "	0	2	2	3	4	4	5	6	6	7	67	6.67
3 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
6 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
1 YR..	4	8	12	16	20	24	28	32	36	40	4.00	40 00

5%	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY.	0	0	0	0	0	0	0	0	0	0	6	56
8 "	0	0	0	0	0	0	1	1	1	1	11	1.11
12 "	0	0	0	0	1	1	1	2	2	2	17	1.67
16 "	0	0	0	1	1	2	2	2	2	2	22	2.22
20 "	0	0	1	1	2	2	2	2	3	3	28	2.74
24 "	0	0	1	2	2	2	3	3	3	4	34	3.34
28 "	0	1	1	2	2	3	3	3	4	4	39	3.84
1 MO..	0	1	2	2	2	3	3	4	4	4	42	4.17
2 "	1	2	3	4	4	5	6	7	8	9	84	8.34
3 "	2	3	4	5	6	7	9	10	11	13	1.25	12.50
6 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
1 YR..	5	10	15	20	25	30	35	40	45	[illegible]0	5.00	50.00

6%	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
4 DAY.	0	0	0	0	0	0	0	1	1	1	7	.67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	2	3	3	3	33	3.33
24 "	1	1	1	2	2	2	3	3	4	4	40	4.00
1 MO..	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 YR..	6	12	18	24	30	36	42	48	54	60	6.00	60.00

Rules for Computing Interest.

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents, point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

Four per Cent.— Multiply the principal by the number of days to run, and divide by 90.

Five per Cent.— Multiply by number of days, and divide by 72.

Six per Cent.— Multiply by number of days, and divide by 60.

Seven per Cent.— Multiply by number of days, and divide by 52.

Eight per Cent.— Multiply by number of days, and divide by 45.

Nine per Cent.— Multiply by number of days, and divide by 40.

Ten per Cent. — Multiply by number of days, and divide by 36.

Twelve per Cent.— Multiply by number of days, and divide by 30.

Fifteen per Cent.— Multiply by number of days, and divide by 24.

Eighteen per Cent. — Multiply by number of days, and divide by 20.

Twenty per Cent.— Multiply by number of days, and divide by 18.

Twenty-four per Cent.—Multiply by number of days, and divide by 15.

Rate of Income on Stocks.

Purchased at the following prices (par value being $100), and bearing interest at the following rates:

Paid.	3%	4%	5%	6%	7%	8%	9%
$50	6.00	8.00	10.00	12.00	14.00	16.00	18.00
55	5.45	7.27	9.09	10.90	12.72	14.55	16.36
60	5.00	6.67	8.33	10.00	11.66	13.33	15.00
65	4.62	6.15	7.69	9.23	10.76	12.30	13.85
70	4.28	5.71	7.14	8.57	10.00	11.42	12.85
75	4.00	5.33	6.66	8.00	9.33	10.66	12.00
80	3.75	5.00	6.25	7.50	8.75	10.00	11.25
85	3.53	4.70	5.88	7.05	8 23	9.41	10.58
90	3.33	4.44	5.55	6.66	7.77	8.88	10.00
91	3.30	4.40	5.49	6.59	7.69	8.79	9.89
92	3.26	4.34	5.43	6.52	7.60	8.70	9.78
93	3.23	4.30	5.38	6.45	7.53	8.60	9.68
94	3.19	4.26	5.32	6.38	7.45	8.51	9.57
95	3.15	4.21	5.26	6.31	7.36	8.42	9.47
96	3.13	4.17	5.21	6.25	7.29	8 33	9.38
97	3.09	4.12	5.15	6.18	7.22	8.25	9.28
98	3.06	4.08	5.10	6.12	7.14	8.16	9.18
99	3.03	4.04	5.05	6.06	7.07	8.08	9.09
101	2.97	3.96	4.95	5.94	6.93	7.92	8.91
102	2.94	3.92	4.90	5.88	6.86	7.84	8.82
103	2.91	3.88	4.85	5.83	6.80	7.77	8.74
104	2.88	3.85	4.81	5.77	6.73	7.69	8.65
105	2.86	3.80	4.76	5.71	6.66	7.61	8.57
106	2.83	3.77	4.72	5.66	6.60	7.55	8.49
107	2.80	3.74	4.67	5.61	6.54	7.48	8.41
108	2.78	3.70	4.63	5.56	6.48	7.41	8.33
109	2.75	3.67	4.59	5.50	6.42	7.34	8.26
110	2.72	3.63	4.54	5.45	6.36	7.27	8.18
120	2.50	3.33	4.16	5.00	5.83	6.66	7.50

Table of Wages.

TABLE OF WAGES BY THE WEEK.

Wages	One hour.	Five hours.	Eight hours.	Nine hours	One day.	Two days.	Three days.	Four days.	Five days.	Six days.
$3	.05	.25	.40	.45	.50	1.00	1.50	2.00	2.50	3.00
4	.06⅔	.33⅓	.53⅓	.60	.66⅔	1.33⅓	2.00	2.66⅔	3.33⅓	4.00
5	.08⅓	.41⅔	.66⅔	.75	.83⅓	1.66⅔	2.50	3.33⅓	4.16⅔	5.00
6	.10	.50	.80	.90	1.00	2.00	3.00	4.00	5.00	6.00
7	.11⅔	.58⅓	.93⅓	1.05	1.16⅔	2.33⅓	3.50	4.66⅔	5.83⅓	7.00
8	.13⅓	.66⅔	1.06⅔	1.20	1.33⅓	2.66⅔	4.00	5.33⅓	6.66⅔	8 00
9	.15	.75	1.20	1.35	1.50	3.00	4.50	6.00	7.50	9.00
10	.16⅔	.83⅓	1.33⅓	1.50	1.66⅔	3.33⅓	5.00	6.66⅔	8.33⅓	10.00
11	.18⅓	.91⅔	1.46⅔	1.65	1.83⅓	3.66⅔	5.50	7.33⅓	9 16⅔	11.00
12	.20	1.00	1.60	1.80	2.00	4.00	6.00	8.00	10.00	12.00
13	.21⅔	1.08⅓	1.73⅓	1.95	2.16⅔	4.33⅓	6.50	8.66⅔	10.83⅓	13.00
14	.23⅓	1.16⅔	1.86⅔	2.10	2.33⅓	4.66⅔	7.00	9.33⅓	11.66⅔	14.00
15	.25	1.25	2.00	2.25	2.50	5.00	7.50	10.00	12.50	15.00
16	.26⅔	1.33⅓	2.13⅓	2.40	2.66⅔	5.33⅓	8.00	10.66⅔	13.33⅓	16.00
17	.28⅓	1.41⅔	2.26⅔	2.55	2.83⅓	5.66⅔	8.50	11.33⅓	14.16⅔	17.00
18	.30	1.50	2.40	2.70	3.00	6.00	9.00	12.00	15.00	18.00
19	.31⅔	1.58⅓	2.53⅓	2.85	3.16⅔	6.33⅓	9.50	12.66⅔	15.83⅓	19.00
20	.33⅓	1.66⅔	2.66⅔	3.00	3.33⅓	6.66⅔	10.00	13.33⅓	16.66⅔	20.00
24	.40	2.00	3.20	3.60	4.00	8.00	12.00	16.00	20.00	24.00

This Table is based upon the usual calculation of 10 hours to a day.

Weights—Measures.

MEASURES OF WEIGHT.—*Avoirdupois:* 1 pound equals 7000 grains; 16 drams, 1 ounce; 16 ounces, 1 pound; 112 pounds, 1 hundredweight; 20 hundredweight, 1 ton. *Troy:* 1 pound equals 5760 grains; 24 grains, 1 pennyweight; 20 pennyweights, 1 ounce; 12 ounces, 1 pound. *Apothecaries:* 1 pound equals 5760 grains; 20 grains, 1 scruple; 3 scruples, 1 dram; 8 drams, 1 ounce; 12 ounces, 1 pound. *Metric:* 1 kilogramme equals 1000 grammes, equals 2.2 Avoirdupois pounds.

MEASURES OF LENGTH.—*Customary:* 12 inches equal 1 foot; 16½ feet, 1 rod; 40 rods, 1 furlong; 8 furlongs, 1 statute mile; 1 statute mile, 5280 feet or 1760 yards; 1 marine league, 3 nautical miles; 1 fathom, 6 feet; 1 nautical mile equals 6080.2 feet. *Metric:* 1000 millimetres equal 1 metre; 1000 metres, 1 kilometre; 1 metre equals 39.37 inches.

SURFACE OR SQUARE MEASURE.—*Customary:* 144 square inches equal 1 square foot; 9 square feet, 1 square yard; 30.25 square yards, 1 square rod; 40 square rods, 1 square rood; 4 square roods, 1 acre; 640 acres, 1 square mile; 1 acre equals 208.7 feet square. *Metric:* 1 square metre equals 10.764 square feet; 100 square metres equal 1 are; 1 hectare equals 100 ares, or 2.471 acres.

SOLID OR CUBIC MEASURE.—*Customary:* 1728 cubic inches equal 1 cubic foot; 27 cubic feet, 1 cubic yard; 40 cubic feet of round timber, 1 ton; 50 cubic feet of hewn timber, 1 ton; 128 cubic feet of wood (4 feet by 4 feet by 8 feet), 1 cord; 24.75 cubic feet of stone, 1 perch—usually 16½ feet by 1½ feet by 1 foot, but varies greatly. *Metric:* 1000 cubic centimetres equal 1 litre; 1 litre equals 1.0567 quarts.

LIQUID MEASURE.—English gallon equals 277.274 cubic inches, or 1.20032 U. S. gallons; 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon.

DRY MEASURE.—1 bushel equals 2150.42 cubic inches; 2 pints, 1 quart; 4 quarts, 1 gallon; 2 gallons, 1 peck; 4 pecks, 1 bushel. *Metric:* 10 millilitres equal 1 centilitre; 10 centilitres, 1 decilitre; 10 decilitres, 1 litre; 1 litre, 0.908 dry quart.

CAPACITY OF BOXES.

25 in. sq.,	11.66 in. deep	=	Approx.	1 wine barrel.
20 " "	9.10 "	" =	"	1 wine half barrel.
17 "x 14 in.	9.00 "	" =	"	1 bushel.
10 "x 12 "	9.00 "	" =	"	½ "
8 " sq.,	8.40 "	" =	"	1 peck.
8 " "	4.20 "	" =	"	1 gal. (dry measure).
7 " diam.,	6.00 "	" =	"	1 gal. (liquid measure).

The Metric System.

The Metric System of Weights and Measures has been legalized by act of Congress, July 18, 1896.

METRIC WEIGHTS.—10 milligrams make 1 centigram, 10 centigrams 1 decigram, 10 decigrams 1 gram, 10 grams 1 dekagram, 10 dekagrams 1 hektogram, 10 hektograms 1 kilogram, 1,000 kilograms 1 metric ton.

METRIC MEASURES.—(One milliliter equals cubic centimeter.) 10 milliliters make 1 centiliter, 10 centiliters 1 deciliter, 10 deciliters 1 liter, 10 liters 1 dekaliter, 10 dekaliters 1 hektoliter, 10 hektoliters 1 kiloliter.

METRIC LENGTHS.—10 millimeters make 1 centimeter, 10 centimeters 1 decimeter, 10 decimeters 1 meter, 10 meters 1 dekameter, 10 dekameters 1 hektometer, 10 hektometers 1 kilometer.

APPROXIMATE EQUIVALENTS.

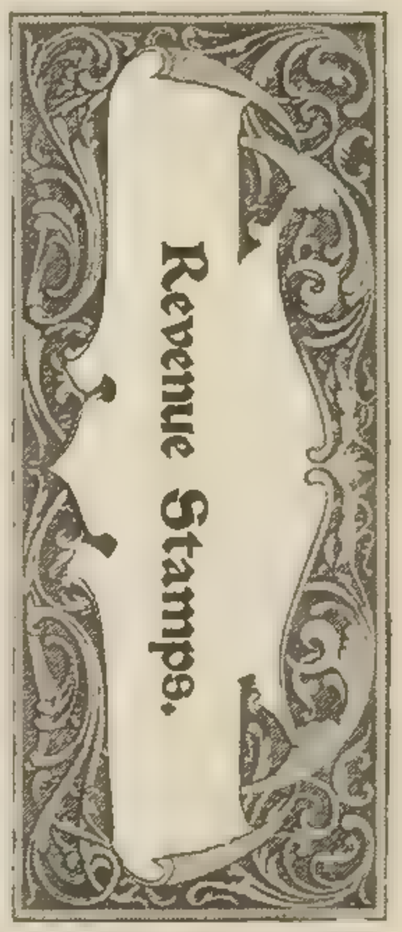
A meter is about a yard; a kilo is about 2 pounds; a liter is about a quart; a centimeter is about ⅓ inch; a metric ton is about same as an ordinary ton; a kilometer is about ½ mile; a cubic centimeter is about a thimbleful. A nickel five-cent piece of our coinage is a handy key to metric measures and weights. It is two centimeters in diameter and weighs five grams.

PRECISE EQUIVALENTS.

1 acre equals .4047 hectar; 1 bushel, 35.24 liters; 1 centimeter .3937 inch; 1 cubic centimeter, .0610 cubic inch; 1 cubic foot, .0283 cubic meter; 1 cubic inch, 16.39 cubic cent.; 1 cubic meter, 35.31 cubic feet; 1 cubic meter, 1.308 cubic yards; 1 cubic yard, .7645 cubic meter; 1 foot, 30.48 centimeters; 1 gallon, 3.785 liters; 1 grain, .0648 gram; 1 gram, 15.43 grains; 1 hectar, 2.471 acres; 1 inch, 25.40 millimeters; 1 kilogram, 2.05 pounds; 1 kilometer, .6214 mile; 1 liter, .9081 quart (dry); 1 liter, 1.057 quart (liquid); 1 meter, 3.281 feet; 1 mile, 1.609 kilometers; 1 millimeter, .0394 inch; 1 ounce (avd.), 28.35 grams; 1 ounce (Troy), 31.10 grams; 1 peck, 8.809 liters; 1 pint, .4732 liter; 1 pound, .4536 kilogram; 1 quart (dry), 1.101 liters; 1 quart (liquid), .9464 liter; 1 sq. centimeter, .1550 sq. inch; 1 sq. foot, .0927 sq. meter; 1 sq. inch, 6.452 sq. cent.; 1 sq. meter, 1.196 sq. yards; 1 sq. meter, 10.76 sq. feet; 1 sq. yard, .8361 sq. meter; 1 ton (2,000 lbs.), .9072 metric ton; 1 ton (2,240 lbs.), 1.017 metric ton; 1 ton (metric), 1.102 ton (2000 lbs.); 1 ton (metric), 9.842 ton (2,240 lbs.); 1 yard, .9144 meter.

PRESIDENTS OF THE UNITED STATES.

Names.	Born.	Inaugurated.	In Office.	Died.	Native of
George Washington.	Feb. 22, 1732	April 30, 1789	8 years....	Dec. 14, 1799	Virginia.
John Adams.....	Oct. 30, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.
Thomas Jefferson ...	April 2, 1743	" 4, 1801	8 "	July 4, 1826	Virginia.
James Madison.....	Mar. 16, 1751	" 4, 1809	8 "	June 28, 1836	"
James Monroe	April 2, 1759	" 4, 1817	8 "	July 4, 1831	"
John Quincy Adams.	July 11, 1767	" 4, 1825	4 "	Feb. 23, 1848	Mass.
Andrew Jackson	Mar. 15, 1767	" 4, 1829	8 "	June 8, 1845	S. Carol.
Martin Van Buren...	Dec. 5, 1782	" 4, 1837	4 "	Dec. 27, 1862	New-York.
William H. Harrison.	Feb. 9, 1773	" 4, 1841	1 month...	April 4, 1841	Virginia.
John Tyler.....	Mar. 20, 1790	April 5, 1841	3 yrs. 11 m.	Jan. 17, 1862	"
James K. Polk.....	Nov. 2, 1795	Mar. 4, 1845	4 years....	June 15, 1849	N. Carol.
Zachary Taylor	Nov. 24, 1790	" 4, 1849	1 yr. 4 m.	July 9, 1850	Virginia.
Millard Fillmore	May 7, 1800	July 10, 1850	2 yrs. 8 m.	Mar. 8, 1874	New-York.
Franklin Pierce	Nov. 23, 1804	Mar. 4, 1853	4 years....	Oct. 8, 1869	N. Hamp.
James Buchanan	April 23, 1791	" 4, 1857	4 "	June 1, 1868	Pennsylva.
Abraham Lincoln ...	Feb. 12, 1809	" 4, 1861	4 yrs. 40 d.	April 15, 1865	Kentucky.
Andrew Johnson....	Dec. 29, 1808	April 15, 1865	3 yrs. 11 m.	July 31, 1875	N. Carol.
Ulysses S. Grant	April 27, 1822	Mar. 4, 1869	8 years....	July 23, 1885	Ohio.
Rutherford B. Hayes	Oct. 4, 1822	" 5, 1877	4 "	Jan. 17, 1893	"
James A. Garfield...	Nov. 19, 1831	" 4, 1881	6 m. 15 d.	Sept. 19, 1881	"
Chester A. Arthur...	Oct. 5, 1830	Sept. 19, 1881	3 yrs. 5 m.	Nov. 18, 1886	Vermont.
Grover Cleveland...	Mar. 18, 1837	Mar. 4, 1885	4 years....	.....	N. Jersey.
Benjamin Harrison..	Aug. 20, 1833	" 4, 1889	4 "	.....	Ohio.
Grover Cleveland ...	Mar. 18, 1837	" 4, 1893	4 "	.....	N. Jersey.
William McKinley ..	Jan. 29, 1843	" 4, 1897	.....	.....	Ohio.



Bank Checks $0.02
Bankers — for first $25,000 of capital.... .....50.00
For each $1,000 in excess of $25,000 ..... 2.00
Brokers 50.00
Pawnbrokers.....20.00
Commercial Brokers....20.00
Custom House Brokers.10.00
Theatres, Museums and Concert Halls in cities, popu'n 25,000 ....100.00
Circus.....100.00
Public Exhibitions.....10.00
Bowling Alleys, ea. alley 5.00
Billiard Rooms, ea. table 5.00
Bill of Exchange (foreign) for each $100 or fraction (not in sets).. .04
In sets, for each bill of set, for each $100.. .02
Bill of Exchange (inland) for ea. $100 or fraction .02
Promissory Note..... .02
Draft..... .02
Certificate of Deposit, drawing int., per $100 .02
Not drawing interest .02
Government Money Or's .02
Bonds — issued by companies, per $100 ..... .05
Foreign, per $100..... .05
Deed of real estate for each $500, or less, above $100, or fraction of $500 .....
Mortgage on real or personal estate, first $1,000 exempt.
First, $1,500 or less, above $1,000 .....
For each $500 or fraction in excess of $1,500.....
Assignment of Mortgage — same taxes as on mortgage.
Assignment of Lease — same taxes as on lease.
Mixed Flour — upon the person or company engaged in business, per annum 12.00
On each barrel, 4c.; ½ bbl., 2c.; ¼ bbl., 1c.; ⅛ bbl. .0½
Cigars — not more than 3 lbs. per 1,000, per thousand....1.00
Weighing more than 3 lbs. per 1,000, per thousand....3.60
Cigarettes — more than 3 lbs. per 1,000, per thousand....3.60
Weighing less than 3 lbs. per 1,000, per thousand.....1.50

Agreement of Sale of Merchandise $0.01
Telephone Messages, 15c. or more.....
Bond, indemnifying .... .01
Surety Bond..... .50
Telegram ..... .50
Custom House — Entry value $100, 25c.; $500 .01
Over $500..... .50
Entry for withdrawal. 1.00
Stocks on sales or transfers, per $100 ..... .50
Money Orders — Foreign Telegraph — per $100..... .02
Foreign Letters of Credit — per $100 ..... .04
Drafts payable on sight. .04
Drafts payable on time, per $100 or fraction... .02
Protest of Notes ..... .02
Lease — One year..... .25
Three years..... .25
Over three years..... .50
Power of Attorney.. ... 1.00
Proxy for Voting ..... .25
Warehouse Receipt..... .10
Parlor Car Seat ..... .25
Sleeping Car Berth..... .01
Tobacco — per pound. .01
Tea — per pound ..... .12
.10

Principal Cities.

POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE BETWEEN MEAN AND STANDARD TIME.

CITIES.	Population 1890.	Miles	Hours	Stan. Time — + Mean Time.
New-York, N. Y	2,321,644	....	....	— 4 m.
Chicago, Ill	1,099,850	912	24.	— 9
Philadelphia, Pa	1,046,964	90	2.	+ 1
St. Louis, Mo	451,770	1065	29.40	+ 1
Boston, Mass	448,477	234	5.	— 16
Baltimore, Md	434,439	188	4.09	+ 6
San Francisco, Cal	298,997	3269	100.15	+ 10
Cincinnati, Ohio	296,908	757	21.10	— 22
Cleveland, Ohio	261,353	595	14.20	+ 27
Buffalo, N. Y	255,664	410	8.20	+ 16
New Orleans, La	242,039	1371	48.	0
Pittsburgh, Pa	238,617	444	12.	+ 20
Washington, D. C	230,392	228	5.25	+ 8
Detroit, Mich	205,876	646	16.55	— 28
Milwaukee, Wis	204,468	997	27.10	— 8
Newark, N. J	181,830	10	.30	— 3
Minneapolis, Minn	164,738	1332	39.	+ 12
Louisville, Ky	161,129	867	24.30	— 18
Omaha, Neb	140,452	1402	41.30	+ 14
Rochester, N. Y	133,896	371	6.55	+ 11
St. Paul, Minn	133,156	1322	38.40	+ 12
Kansas City, Mo	132,716	1385	41.30	+ 19
Providence, R. I	132,146	188	4.01	— 14
Denver, Col	106,713	1974	60.	0
Indianapolis, Ind	105,436	825	22.30	— 16
Albany, N. Y	94,923	143	2.45	— 5
Columbus, Ohio	88,150	540	17.	— 28
Syracuse, N. Y	88,143	291	5.28	+ 5
Worcester, Mass	84,655	190	5.	— 13
Toledo, Ohio	81,434	706	17.30	— 16
Los Angeles, Cal	65,000	3177	100.	— 7
Grand Rapids, Mich	60,278	934	23.08	— 17
Seattle, Wash	57,542	3358	120.	+ 10
Lincoln, Neb	55,154	1460	30.30	+ 22
Des Moines, Iowa	50,093	1270	41.	+ 14
Portland, Or	46,385	3226	112.30	+ 20
Salt Lake City, Utah	44,843	2471	72.	+ 28
Tacoma, Wash	45,000	3209	128.	+ 9
Savannah, Ga	43,189	904	31.	+ 24

Foreign Coins.

DENOMINATION.	COUNTRY.	Equivalent U. S. Money.
Alfonso	Spain	$4.80.
Boliviano	Bolivia	.69.8
Crown	Nor'y, Swed'n, Den'k	.26.8
Dollar	British America	1.00.
"	Mexico	.75 8
"	Spain	.94.
Drachma	Greece	.19.3
Florin	Austria	.34.5
"	Netherlands	.40.2
Franc	France, Belg., Switz	.19.3
20 Kroner	Nor'y, Swed'n, Den'k	5.25.
Lira	Italy	.19.3
Mark	German Empire	.23 8
Milreis of 1000 reis	Brazil	.54.6
" " "	Portugal	1.08.
Peseta of 100 centimes	Spain	.19.3
Peso	Chili	.91.2
"	Cuba	.92.6
Piaster	Egypt	.04.9
"	Turkey	.04.4
Pound Sterling (Sovereign)	England	4.87.
Rouble of 100 copecks	Russia	.55.8
Shilling	England,	.24.
Sol	Peru	.69.8
Thaler (3 marks)	Germany	.70.
Yen	Japan	.88.8

Explanation of the Currencies of the various Countries.

AUSTRIA AND RUSSIA.—The Paper Currencies are continually subject to important fluctuations.

In FRANCE, BELGIUM, SWITZERLAND, AND ITALY, 1 franc = 100 centimes. GERMANY, 1 mark = 100 pfennig. HOLLAND, 1 florin or gulden = 100 cents. NORWAY, SWEDEN, AND DENMARK, 1 kroner = 100 öre. UNITED STATES, 1 dollar = 100 cents. SPAIN, 1 peseta = 100 centavos. AUSTRIA, 1 florin = 100 kreuzer. PORTUGAL, 1 milreis = 1000 reis. GREECE, 1 drachma = 100 leptas. TURKEY, 1 piaster = 40 paras. RUSSIA, 1 rouble = 100 copecks.

Italian notes and silver are not current in France, Belgium, and Switzerland, but the silver of these countries passes current in Italy

Help in Case of Accidents.

DROWNING.— 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach, and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils, and pressing the "Adam's apple" back (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air, and quiet.

SUNSTROKE.—There are two important indications for treatment — reduction of temperature and the use of stimulants. The patient should first be removed to a cooler spot if possible, or at least where shade can be secured. The treatment should be begun at once. The clothing about the neck and body must be either loosened or removed. Cold is particularly indicated in cases where there is great heat of the body, and delirium and convulsive movements are present. This means of reducing the temperature may be applied in the shape of cracked ice about the head and spine, or the use of cold water. If the heat of the body is very great, it may be necessary to wrap the patient in sheets wet with cold water. If there is, besides the great heat, evidence of serious depression, stimulants must be used while the cold is being applied.

HÆMORRHAGE.— The usual treatment is rest in the recumbent position; small pieces of ice should be freely swallowed, and the application of ice wrapped in a towel or in an ice-bag, or snow, cold water, etc., over the stomach; hot applications may be applied to the extremities.

FIRE IN A BUILDING.— Crawl on the floor. The clearest air is the lowest in the room. Cover head with woolen wrap, wet if possible. Cut holes for the eyes. *Don't get excited.*

Help in Case of Accidents.

BURNS AND SCALDS.— Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive oil or linseed oil, plain, or mixed with chalk or whiting. Sweet or olive oil and lime-water. Shock, which is always present in severe burns, requires the administration of stimulants. Pain is more constant and intense in burns than in any other form of injury, and requires sedatives, which should be administered by the medical attendant. Later on the appearances of inflammation and other complications are to be carefully watched for.

SUFFOCATION FROM INHALING ILLUMINATING GAS. — Get into the fresh air as soon as possible and lie down. Keep warm. Take ammonia — twenty drops to a tumbler of water, at frequent intervals; also, two to four drops tincture of nux vomica every hour or two for five or six hours.

TESTS OF DEATH.— Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain; if alive, it will close up. Place fingers in front of a strong light. If alive, they will appear red; if dead, black or dark.

MAD DOG OR SNAKE-BITE.— Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife. Give stimulants, as whisky, brandy, etc.

FIRE IN ONE'S CLOTHING.— *Don't run* — especially not downstairs or out-of-doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down, so as not to inhale flame.

FIRE FROM KEROSENE.— *Don't use water*, it will spread the flames. Dirt, sand, or flour is the best extinguisher, or smother with woolen rug, table-cloth, or carpet.

CINDERS IN THE EYE.— Roll soft paper up like a lamp lighter, and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

FAINTING.— Place flat on back; allow fresh air, and sprinkle with water. Place head lower than rest of body.

STINGS OF VENOMOUS INSECTS, ETC.— Apply weak ammonia, oil, salt water, or iodine.

LIGHTNING.— Dash cold water over a person struck.

Poisons and Antidotes.

FIRST.—Send for a physician.

SECOND.—INDUCE VOMITING, by tickling throat with feather or finger. Drink hot water or strong mustard and water. Swallow sweet oil or whites of eggs.

Acids are antidotes for alkalies, and vice versa.

ACIDS, MINERAL —Chalk, magnesia (plaster off wall in emergency), solution carbonate of soda, emollient drinks, fixed oils.

ACID, CARBOLIC.—Any soluble sulphate, such as magnesia.

ACID, HYDROCYANIC.—Fresh air and artificial respiration, with cold effusion. Ammonia by inhalation and intravenously in vein of leg.

ACONITE.—Emetics, stimulants, external and internal; keep up external heat, keep flat on back.

ANTIMONY TART.—Vegetable acids, such as tannic acid, catechu.

ARSENIC.—Freshly precipitated hydrated sesquioxide of iron made by adding magnesia to any iron solution.

ATROPIA.—Same as Belladonna.

BELLADONNA.—Emetics—mustard flour in water; give physostigma or pilocarpine; cold to head.

CANTHARIDES.—Emetics, emollient drinks, opiates by mouth and rectum, large draughts of water to flush kidneys.

CHLORINE WATER.—Albumen, white of egg, milk, flour.

CHLOROFORM.—Fresh air, artificial respiration (inclining head down, pull tongue forward), brandy and ammonia intravenously in leg, the HYPODERMIC injection of 15 m. tincture of digitalis and 1-60 of a grain of atropine.

COLCHICUM.—Emetics, followed by demulcent drinks. If coma be present brandy, ammonia, coffee. Opium in large dose. Keep up external heat.

CONIUM.—Emetics, followed by stimulants external and internal.

CORROSIVE SUBLIMATE.—Albumen, white of egg (4 gr. sublimate require white of one egg), flour, milk. Equal parts of lime water and milk. Emetics, or evacuate stomach by pump.

Poisons and Antidotes.

COPPER SULPH.—Yellow prussiate of potash or soap.

CROTON OIL.—Emetics; wash out stomach, followed by mucilaginous fluids, containing opium.

DIGITALIS.—Recumbent posture after emetics. Emetics and opium; give tincture aconite.

ELATERIUM.—Demulcent drinks, enemeta of opium, and external heat.

HYOSCYAMUS.—Stomach pump, emetics, stimulants external and internal, physostigma and pilocarpine.

ILLUMINATING GAS.—Hypodermic injections of nitroglycerin are recommended by Kloman, of Baltimore.

IODINE.—Emetics and demulcent drinks, starch or flour diffused in water, opium and external heat.

LEAD SALTS.—Any soluble sulphate, either magnesia or soda, succeeded by emetics, and afterwards by opium and milk.

LOBELLA.—Stimulants externally and internally; external heat.

MORPHINE.—Same as opium.

NUX VOMICA.—30 grs. of chloral and 60 grs. of bromide of potash. Nitrite of amyl.

OPIUM.—Atropine hypodermically till respirations number 8 per minute. Stomach pump, stimulants, external and internal, brandy and coffee, cold affusion, ammonia to nostrils, galvanic shocks, compelling to move about, artificial respiration, electric brush. Permanganate of Potash.

OXALIC ACID.—Lime, not potash or soda.

PHOSPHORUS.—Sulphate of copper in emetic dose as chemical antidote. No oils. Emetics and purgatives.

POTASH AND SODA SALTS.—Dilute acetic acid, citric acid, lemon juice, fixed oils, demulcents, vinegar.

SILVER NITRATE.—Solution of common salt and demulcent drinks. Emetics.

STRAMONIUM.—Same as Belladonna.

STRYCHNINE.—Same as Nux Vomica.

TOBACCO.—Emetic, stimulants, external and internal, strychnine, external heat.

ZINC SALTS.—Carbonate of soda, emetics, warm demulcent drinks.

Things Easily Forgotten.

The No. of my Bicycle .....

Weight .....

Height .....

Size of my Hat .....

" Gloves .....

" Hosiery .....

" Collar .....

" Cuffs .....

" Shoes .....

.....

.....

Name William Brewster.

Address 145 Brattle Street,

Cambridge, Massachusetts

Bethel, Me

Wea.	TUES. JAN. 1, 1901	Ther.
Brilliantly clear with strong N.W. wind.		18 26

Visited our rabbit trap after breakfast: It was springing but empty. Some animal, probably a mouse, had gnawed the string (a tarred cord) in two, making a clean cut & letting the cover down. Nothing had visited our fox bait.

To Rose Meadows via Glen Woods in P.M. (2-4) Took several photographs. Saw 2 Chickadees & heard a Kinglet, a Cowpen & 2 Red Squirrels

Wea.	WEDNESDAY 2	Ther.
Clear with high W. wind		0°

Visited the trap this morning. It was again springing but empty. Nothing had approached our fox bait.

In P.M. the Doctor & I put on snow shoes & explored the woods W. of the house penetrating through them to the brook beyond. Saw a fresh Partridge track & started a Rabbit. It was dusty, neat pure, white & rather conspicuous running. No birds to-day except Chickadees.

We all went to a party given by the Ignosis Club at Odeon Hall this evening. I danced 2 waltzes.

Bethel

Wea. THUR. JAN. 3, 1901 Ther. 60

Brilliantly clear. Calm most of P.M. + 24°

In the Glen Woods in P.M. taking 2 cameras. About half an inch of fine snow fell last night ~~[illegible]~~ just enough to bring out tracks of small animals to the best advantage. Rabbits had been abroad in unusual numbers. I photographed three of their trails to illustrate the variations in their gait. There were also many tracks of Red Squirrels & a curious trail of unmarked dots made, I think, by a Shrew. Saw a flock of 5 Chickadees near the Glen & heard a Creeper & Kinglet.

Wea. FRIDAY 4 Ther. + 10

Cloudy & glowering with raw air but 20° very little wind

Visited our rabbit trap after breakfast. It was springing although the Rabbits had been chewing around it.

In P.M. drove through the village past the mill to the Taggart Road where Dora & I bought a tame white rabbit to place in the trap as a practical joke on Dr. G. Dora walked up Paradise Hill & turned into fields on E. side crossing them to brink of E. Hope & getting fine views.

Bethel

Wea. SAT. JAN. 5, 1901 Ther. + 5°

Brilliantly clear with strong W. wind + 20°

Visited the N. slope of Paradise Hill to take photographs using the 4 x 5 Ray in the morning and the 5 x 7 Heavy Clay in the early afternoon. Later in the afternoon walked nearly to Rose Meadow with the Doctor & George. With the help of an Lather I had brought & pressed in our trap a tame white Rabbit with a blue ribbon tied about its neck & a placard inscribed "A Happy New Year to you, Doctor. P.S. I don't bite" hanging under its chin. We brought the trap back to the house & opened it in the dark room. The Doctor was completely surprised & laughed immoderately.

Wea. SUNDAY 6 Ther. + 4°

Clear with strong W. wind. Clouds + 30°
gathering in W. at sunset.

In the Glen Woods alone from 11.30 to 1.30. going to Rose Meadow. The Rabbits must have been out in great force last night. & I saw fresh trails of what looked like a Wild Cat's footprints. Exposed half 4 x 5 plates on trails of Rabbits, Cats, Squirrels & Mice with good results. developing the negatives in P.M.
The woods were unusually silent. Saw & heard 2 Nuthatches a Chickadee & a Brook [illegible]

Bethel

Wea.	MON. JAN. 7, 1901	Ther.
		22°
Cloudy, calm, snowing all day but so lightly that scarce two inches fell.		30

At 9.30 walked to rabbit-trap & back. It was just beginning to snow fast & dead silence reigned in the woods.

In P.M. (3-4) the Doctor & I walked to Glen Brook. It was still snowing a little. The evergreens were delicately powdered & tufted. Saw only two trails - those of a Squirrel & Partridge. Started the Partridge among dense grey spruces. Heard Chickadees & a Nuthatch.

Bethel

Wea.	WED. JAN. 9, 1901	Ther.
Fair, sky filled with clouds, sun shining brightly out at short intervals. Wind N.W. Strong in late P.M.		24° 41°

To rabbit trap at 9 a.m. A rabbit had been in it & had eaten the bait but escaped. A lot of birds collected in the fir & evergreen thickets near the trap. Heard some 5 Chickadees, a Kinglet, a Creeper, a Canada Nuthatch & a Blue Jay besides a Junco & Tree Sparrow. The Chickadees were coming from a large berry bush that we had up to Short's Force.

In P.M. took the usual trail through the Glen Woods branching off at the second opening, between & skirting through the dense woods towards Rose Shadows. Had nearly reached it when one of my snows that slipped broke & I had to turn back. Saw 2 Brown Creepers by Glen & heard a Canada Nuthatch. The snow has now settled to less than a foot in the Glen.

Wea. TUESDAY 8 Ther.

	18°
Cloudless but hazy. A.M. calm	30°
Light S. wind in P.M.	

Walked to rabbit trap after breakfast. Heard Jays, Chickadees & Kinglets. The Doctor & Mrs. Lehring went through the Glen Woods. They saw a number of fresh tracks of Rabbits & one of a Fox.

The Doctor & I went to Paradise Hill in P.M. I took the 4x5 Ray Camera & exposed 10 plates, most of them on the north slope of the Hill. Returned across lots, partly through the woods. No birds seen or heard during this walk. Saw trail of a Fox & several of mice.

Wea. THURSDAY 10 Ther.

Cloudy with snow falling steadily from 9 a.m. ~~[illegible]~~ Best time but so sparsely ~~[illegible]~~ only an inch or two covered the ground at nightfall. There was a more breath of wind & that from the S.E.	14°

Walked to rabbit trap at 9.30 a.m. The woods were impressively silent & deserted this fine, day snow sifting down through the trees. Wrote all the forenoon at the Cambridge Birds. To the village at 4 P.M. mailing a few postcards & bringing home Bibs. 2 Chickadees at the house were the only birds seen to-day.

Bethel.

Wea.	FRI. JAN. 11, 1901	Ther.
		10°
Cloudy with snow falling fitfully but "making" little until nightfall when it began in earnest. Thermr. 23°		23°

Took a short turn after breakfast. In the afternoon the Doctor & I went as far as 3rd Branch through the Glen Woods

Bethel.

Wea.	SUN. JAN. 13, 1901	Ther.
		18°
Brilliantly clear with light, intermittent N.W. wind. Trees completely loaded with snow the distant woods & mountains looking almost as white as the fields.		30°

Spent a.m. in Glen Woods with the 4×5 Camera going to the 3rd Brook & exposing 12 plates. Hard snow throughout except in our trail, the snow deep & fine as flour. Heard a Blue Jay & saw Chickadees & a Canadian Nuthatch the latter eating suet. Saw no tracks save one of a Rabbit & two of Mice. The Rabbit had floundered through deep snow drifting 10 or 12 inches on each jump. Developed plates on P.M. & received the over by mailing them on above Bethel.

Wea.	SATURDAY 12	Ther.
		17°
Continuous snow storm all day & most night; at nightfall about a foot of fresh snow had fallen since the beginning of the storm on 10th.		26°

Took a brisk walk to Rabbit Crop & back after breakfast. At 1.30 P.M. the Doctor & I went nearly to the Glen, taking a camera & exposing 4 plates although the light was poor & the air thick with falling flakes. The pictures came out well. I gave them all 10 seconds with the Bausch & Lomb. Saw a Canadian Nuthatch eating suet, 6 Chickadees & heard a Cowpen. No tracks of any kind.

Wea.	MONDAY 14	Ther.
		2°
A.M. brilliantly clear, the mountains at sunrise at first ashes of rose, next rose pink, finally deep rose purple. P.M. hazy. Dead calm all day.		29°

Off with the 5×7 camera to the Glen Woods at 8.30 a.m. going nearly to 3rd Brook, exposing 6 plates, getting back at 10 a.m. The thermr. stood at 10° when I started but the air seemed soft & balmy & the sun unmistakably warm. Jays were screaming & a Chickadee whistling Phoebe persistently for 10 minutes or more. Saw fresh Rabbit tracks & one or two of Mice & the other signs of mammals out. Cock crowed

Bethel.

Wea.	TUES. JAN. 15, 1901	Ther.
		14°
Snow storm	Beginning at 8 a.m. &	30°

Continuing into following night. The snow was fine & light & it came thinly only about 3 inches having fallen by dark. As usual there was almost no wind – just a breath from N.E. The trees were laden all over afresh.

I chopped a cord in my anklet with a light sleigh on the snow shoes yesterday & was so lame to-day that I had to keep quiet. Wrote most of the time finishing a short article for the Ark & getting off a lot of letters. In the afternoon Dr. Sabin went to our traps & found in it a fine northern Hare which he brought home in the traps. It did not seem much the worse when we let it out into a large box. It is [illegible] white all over save on the head.

Wea.	WEDNESDAY 16	Ther.
		26°
Continued snow-storm	lasting to day	34°

rain in P.M., & adding but little to the total depth of the snow on the ground which is probably now about 1½ feet. Much of the snow fell from the trees this P.M.

Spent most of day in house. Worked on Cambridge Book in A.M., in P.M. & evening on a "Description of a new Bicycle, by Brewster & Bump". Also wrote a lot of letters.

In P.M. walked to Red Brook with Dr. & saw 2 Canada Nuthatches (eating suet) and a party of 8 Chickadees (at one big tree)

Bethel.

Wea.	THUR. JAN. 17, 1901	Ther.
		34°
Sunny most of A.M. but with gathering		38°

clouds which darkened everything in P.M. The high temperature settled the snow rapidly. It was wet & soggy when I went to the Glen Woods on snow shoes in late P.M. The woods seemed gloomy & deserted. Most of the snow has fallen from the trees in the Spring but there are many pretty effects remaining in sheltered places. The thaws have obliterated all tracks. Saw 4 Chickadees on the big tree.

Wrote all A.M. Photographed Miss Mueller in her hockey dress in the parlor in P.M.

Wea.	FRIDAY 18	Ther.
		26° 7 A.M.
Clear with temperature falling all day		– 4. 9 P.M.

& a gale of wind from the N.W.

Spent A.M. in house working on the Cambridge Book (10–12 A.M.) & printing photographs.

In P.M. went over the Glen Woods hard on snow shoes. The crust bore my weight in the woods almost everywhere but it broke at every step in the open. The snow had been exquisitely sculptured by the wind in the fields S. of the house. Heard a Crossbill, a Kingbird & Chickadees on the Glen road. Took mail to Lovell's house. Bad wheel on Grand Trunk mail train this morning. 5th mail killed & 4 engines wrecked

Bethel.

Wea.	SAT. JAN. 19, 1901	Ther.
		−10
Brilliantly clear & bitterly cold with violent N.W. wind		+2

At 9.30 a.m. started for Glen Woods with the Doctor. We went only about 300 yards for the wind chilled us to the bone and fairly drove the breath back into our lungs. I have never experienced such intense cold before.
In P.M. photographed Miss Alma Gehring & Miss Müller in their pretty dresses in the garden.

Wea.	SUNDAY 20	Ther.
		−16°
Early morning clear; remainder of day cloudy. No wind.		+8°

Starting at 11 a.m. I walked up the wood road to the Glen thru cross road taking the 4x5 Premo & exposing two plates. While walking I kept warm easily but soon got chilled if I stopped. Saw two Red Squirrels (the small red northern race), a Kinglet, & a few Sparrows & heard a Cardinal & a flock of Chickadees. The Tree Sparrows was in abundance in open places.
Spent P.M. checking Vol. 7 proofs with the Doctor.

Bethel.

Wea.	MON. JAN. 21, 1901	Ther.
Cloudy & warmer with a brisk shower of fine rain in the evening.		+3° 40°

Spent a.m. in house, writing. In P.M. Dr. Gehring and I began cutting out a foot path in his woods at the foot of the orchard. We cleared it in about 100 yards walking for an hour or more, standing on our snow shoes. The snow was so deep & powdery that whenever we dropped our hatchet it would instantly bury out of sight & have to be groped for.

Wea.	TUESDAY 22	Ther.
Brilliantly clear without a breath of wind.		+4 20

Spent a.m. writing. In P.M. walked on snow shoes across the fields to the E. taking the 4x5 Premo camera & exposing 3 plates. Saw the fresh trail of a Skunk. Where do they hibernate if not now?
A Blue Jay was flitting about in the orchard this morning & gone before breakfast. I heard a ♀ Downy Woodpecker (very faint) there. Our Snow is exhausted & the Chickadees are gone with it.

Bethel.

Wea.	WED. JAN. 23, 1901	Ther.
Brilliantly clear in A. M. Clouds gathering in P. M. No wind.		— 10 + 26

Spent the forenoon writing. In the later P. M. (3–4) walked up the wood road about a mile with the Doctor. Heard a Kingfisher & a small flock of Chickadees. The snow has been crusted for some time now and shows no recent tracks.

Wea.	THURSDAY 24	Ther.
Cloudy most of A. M. Brilliantly clear in P. M. Not a breath of wind		20 38

Writing all the forenoon and up to 4 P. M. when I started for a walk going down past the hotel and the mill and out along the Faggot Road to the old house near the railway crossing. I took the 4×5 Premo but was too late for pictures & made only one exposure. The sunset light on the distant hills was exceptionally fine.

Bethel

Wea.	FRI. JAN. 25, 1901	Ther.
Cloudless in A. M., cloudy in P. M. Almost no winds		25 38

Starting at 8.30 A. M. in the Doctor's sleigh with Emerson to drive I followed the Gilead Road for about 4 m. out. The morning was perfect but the country bears of obvious life. I saw only 2 birds — a pair of Blue Jays in white pine woods. No tracks in the fields save one of a Fox. Took a camera but saw nothing to photograph. In later P. M. went to the Doctor's woods on snow shoes & worked out the main path for our home

Wea.	SATURDAY 26	Ther.
Brilliantly clear. Light W. wind.		17 31

Walked to village just after breakfast working a few exposures (mostly "traps") with the No 2 Bellows. At 3.15 P. M. started for the "Faggot Road" with the 4×5 Premo. Exposed eleven plates in a little over an hour. The light was exceedingly brilliant & there was absolutely no horizon. Saw a small flock of Chickadees in white pines and a Blue Jay in the old orchard near the mill.

Bethel — Portland

Wea.	SUN. JAN. 27, 1901	Ther.
Snowing lightly all day about 3 in		18
falling. Wind N.E. changing to N.W. at		26
sunset when blue sky & the sun appeared.		

Spent a.m. in house writing and developing the photos exposed yesterday.
In P.M. walked up Woodward about ½ mile. No birds. Only one track, that of a man & perfectly fresh. The evergreens are snow powdered again & very delicately the snow emphasizing all the details of twig & branch without covering any of them. "Heard a Jay in the orchard this A.M.

Portland — Bethel.

Wea.	TUES. JAN. 29, 1901	Ther.
Clear with light W. wind		10
		17

C's head troubled her so after her fall of last evening that she remained in bed all day. I wrote in the hotel office most of the forenoon. After dinner I went out and did some shopping. Later in the afternoon and through the evening C. & I read aloud from the "Cardinal's Snuff-box"

Wea.	MONDAY 28	Ther.
Midday sunny; morning & late afternoon		16
cloudy. Light W. wind		26

Took 8.45 A.M. train for Portland where I met C. and Gilbert at Union Station at 12.10. We went to Congress Square Hotel. Gilbert brought on a large model made by Boris Hoxie to illustrate proposed changes of Barrett house at Concord & C. & I spent most of P.M. discussing them. We took a walk after supper & C. had a bad fall on icy sidewalk near hotel. Gilbert returned to Boston by 6 P.M. train.

Wea.	WEDNESDAY 30	Ther.
Sunny, the sky hazing over before		+ 1°
sunset, however. No wind		31

Spent A.M. in hotel, writing on the Cambridge Birds. C. up & dressed, feeling quite herself again. We took the 1.30 P.M. train for Bethel walking to the station from the hotel and from the station at Bethel to the "Gehrings", which we reached soon after sunset.

Bethel

Wea.	THUR. JAN. 31, 1901	Ther.
Slight snow storm lasting all day about 4 inches falling.		12 25°

Spent A.M. writing. In P.M. walked to the first clearing in the Glen Woods with C., on snow shoes. The evergreen trees were beautiful, snow powdered. There were many rabbit tracks only slightly covered on the snow but yet all of them seem to have been made last night. Saw 4 Chickadees on the beech bone & heard a Blue Jay screaming

Wea.	FRI. FEB. 1	Ther.
A.M. brilliantly clear & dead calm. N.W. rose and sky clouded over in P.M.		10° 26°

In A.M. C. and I took a sleigh ride out along Middle Intervale Road, starting at 9.30 & getting back at 12.30. I had the 5"x7" Henry Clay Camera & exposed 5 plates. The prints were snow encrusted, the mountains is free from horses. Heard flocks of Chickadees in their places. No other birds. Very many Rabbit & a few ? of tracks (not over 4 or 5 in any one) under / In P.M. C & I walked over the Glen Woods trail to the Tree Sparrow Hard Cases & Ravines

Bethel.

Wea.	SAT. FEB. 2, 1901	Ther.
Clear & colder with moderate N.W. wind		+ 3° 21°

C. returned to Cambridge by 8.45 A.M. train. I drove to station with her & walked back from post office. Most remainder of A.M. & up to 3 P.M. when I walked to village taking Bullis & Camera & exposing 3 plates. In the evening developed the Bullis up pictures which came out fairly well and the 5"x7" plates exposed yesterday which made remarkably brilliant negatives.

Wea.	SUNDAY 3	Ther.
Brilliantly clear & for the most part calm but with occasional gusts of N.W. & W. wind.		10° 24°

In A.M. exposed eight 5"x7" plates on various subjects on the N. end of Paradise Hill whither I went across the fields on snow shoes. In P.M. (2.30-4) walked out along the Faggas Road again taking the 5"x7" Camera & exposing four more plates. Heard two Blue Jays near the mill & a Kingfisher in the pine woods beyond.

Bethel.

Wea. MON. FEB. 4, 1901 Ther.

12°
26°

Snow storm with light N wind, beginning at 12 30 noon & lasting into the night about inches falling.

Went over the Glen Woods trail on snow shoes after breakfast (9-9.30). The sky was dark, the woods silent & apparently lifeless. There were multitudes of rabbit tracks & two fresh trails of Foxes.

Spent rest of day in doors writing in L. & P. & developed half of the photos exposed yesterday. George Fairbanks came around at 10 P. M.

Wea. TUESDAY 5 Ther.

Cloudy with frequent flurries of snow. 12°
26°

Went over the snow shoe trail as far as the edge of the woods just after breakfast. Spent the remainder of the day writing. No tracks.

Bethel.

Wea. WED. FEB. 6, 1901 Ther.

Cloudy and cold with violent N. W. wind, the snow drifting all day. 6°
11°

Spent most of the day writing. At 3.30 P. M. went over the snow shoe trail as far as the edge woods. No birds seen or heard.

Wea. THURSDAY 7 Ther.

+2°

Brilliantly clear with a fresh gale of wind from the W. all day. Long the air was filled with drifting snow. It drove across the fields in long waving ribbons, in weather like steam, in eddying or sharply revolving columns like those of dust or water spouts. Some of the drifts near the house are already 5 or 6 ft. deep. They would shake the house & rumble like heavy trains of cars in the chimney. The sandpaper snow on the fields was not generally beneath when I took a short walk on the edge of the woods.

the wind from 10 to 12 P.M. was tempestuous.

Bethel Portland.

Wea. FRI. FEB. 8, 1901 Ther.

Brilliantly clear with high N. W. wind.

Took the morning train for Portland with Dr. Gehring. It was half an hour late on Boston & did not reach Portland until 12.20. I went directly to the Congress Square Hotel where I met C. who had come from Boston.
We went out in the afternoon & I photographed a fine old house at the corner of High & Spring Sts. where Sally D. used to live. Also took some shipping. Read "Sonny" in the evening.

Wea. SATURDAY 9 Ther.

Forenoon sunny; afternoon cloudy. (+5° at Bethel)

Took a walk with C. in the forenoon. We lunched together at the Union Station & she left for Boston at 12.45. I started for Bethel at 1.30 meeting the Doctor at the Junction. We reached Bethel at about 5 P.M.
Saw 6 crows yesterday at North Yarmouth & vultures both yesterday & to-day between there & Portland. The fields were full of hawks on apparent migration through this belt of country. There is usually a flock of hawks at Portland now.

Bethel.

Wea. SUN. FEB. 10, 1901 Ther.

Clear but with a strong, piercing N. W. wind. +7° 18°

Spent most of the day indoors writing. Heard a blue jay screaming in the orchard in the forenoon. In Cobb P. at (3.30-4.35) walked up the wood road along to Balsam Ridge. It has been stripped of its finest trees by the wood choppers. It was a bitterly cold walk in fact I had to turn at Corinna to keep warm.

Wea. MONDAY 11 Ther.

Brilliantly clear with strong N. W. wind. 6° 22°

Spent A.M. writing. At 3 P.M. the Doctor & I started to walk to the river taking the 4 & 5 Pm. There was only a moderate wind in the village. But it blew hard as we got by the river. The wood cutters have piled immense quantities of fine logs there to be drawn down in Spring to the pulp mills. Exposed only on North.

Bethel.

Wea. TUES. FEB. 12, 1901 Ther.

12°
26°

Early morning sunny but hazy with only a moderate breeze. At 9.30 A.M. a heavy N.W. wind started to blow through the day & up to midnight at least.

Walked again to the timber bordering by the river this morning taking my camera. The wind began to blow hard before I reached up to them but I exposed two at plates in the village & at the house.

In afternoon P.M. the Doctor & I went over the Glen woods that are in sight above

Wea. WEDNESDAY 13 Ther.

+ 4°
12°

Sun shining dimly through dense haze. Wind blowing a living gale from N.W. The worst day of the whole winter thus far

Spent most of day writing. At 4 P.M. walked to a little beyond Post Office. The air was filled with driving snow as sharp as sand born by the wind from the cleared fields. The elms along the street bent like reeds & their trunks cracked like pistol shots. It was a wild afternoon as bad as any thing Dr. P. has ever known.

Bethel.

Wea. THUR. FEB. 14, 1901 Ther.

+ 4°
15°

Partly cloudy with moderate N.W. wind

Spent most of A.M. writing. Up the wood road in P.M. (3.30 - 5) going nearly to the cross roads. Saw a Blue Jay (the first I have noted in deep woods) and a small flock of Chickadees. Met a boy with a gun. He told me he had shot a rabbit a few days previously. The wood choppers have made load have on Bolsom Knoll & are still at work there.

The Doctor went to Portland this morning & his son-in-law came down for a visit.

Wea. FRIDAY 15 Ther.

+ 3°

Chiefly cloudy with strong, piercing N.W. wind.

Spent the entire day in the house, working on the "Cambridge Birds" through the forenoon.

Bethel.

Wea. SAT. FEB. 16, 1901 Ther.

Calm, mild, partly cloudy. 20° 34°
The first windless day for weeks

Out in fields behind house, 8.30-10 a.m.
Exposed 1 of 4×5-plates. Blue Jays
screaming all around the edges of the
opening; a Chickadee whistling plaintively
steadily. It was so still & mild that
I wore neither overcoat nor gloves. A
Red Squirrel crossed the field on a rail fence.
In P.M. took 6 more pictures on Paradise
Hill. Charles & Mr. Wilson trying wrestling
moves & holds this a.m. with a full pair of

Wea. SUNDAY 17 Ther.

Partly cloudy; moderate N.W. wind. 22° 32°

Started out alone at 11 a.m.
taking the 4×5 Premo Camera.
Exposed several plates in our Spring
then crossed through the woods to the
wood road following it to nearly the
cross roads. Heard 2 Kingfishers & flock
of Chickadees. Saw 3 Blue Jays in
road picking at horse droppings.
There were unmistakable tokens of spring
in the warmth & color of the light this P.M.
The sunset was very fine.

Bethel.

Wea. MON. FEB. 18, 1901 Ther.

Like that of yesterday but with more 16° 32°
sunshine & less wind.

Out with the Camera again this afternoon
rambling about our Spring on Sunny Hill
exposed two plates only.
Dr. Cole & the Doctor & I crossed the
fields to the mill coming back through
the woods where I started a Blue Jay
from a large cluster of acorns (not fallen)
10 ft. over my head. I think it had come
to gather them. Saw 3 Jays flying together
high above the woods this morning.

Wea. TUESDAY 19 Ther.

Still another partly cloudy day, 20° 38°
partly hazy day with light
W. wind. The Jays, thawed in the
roads all yesterday.
Working on Country Life Birds in A.M.
In P.M. (3.20-4.30) the Doctor
& I walked up the wood road
to the cross roads. It was beautiful
in the woods. The evergreens were
a much brighter, fresher green than
heretofore. Even the arbor vitæ was
distinctly green instead of brownish.
Saw three Chickadees, [illegible]

Bethel.

Wea. WED. FEB. 20, 1901 Ther. 18° 22°

Cloudy most of the day with harsh but not strong N. W. wind.

Spent the whole forenoon writing. finishing the Redpoll bio'ph'y begun yesterday and doing two new birds the Tolmie's & Pine Grosbeak.
At 3 P.M. I started alone for a walk I went over new ground past the mill and along the Grove Hill road for about a mile. The scenery was beautiful but I did not see a living thing

Wea. THURSDAY 21 Ther. 11° 18°

Sunny most of the day with moderate N. W. wind.
Wrote all A.M. and up to 3.30 P.M when I went to Glen Woods on snow shoes. The 3rd opening found feathers of Ruffed Partridge scattered over snow. but no tracks. 10 yards off more feathers on mound with fresh Fox excrement & tracks. Looked as if Fox did it but feathers all pulled out. none bitten off. There found chalky excrement of Raptorial bird on mound. The murderer evidently a Hawk probably Sharp shinned Hawk Foxes head strongly scented to towards feathers & pick up. Very evidently of flesh. Could not have been done by Owl for Owls bite off. Saw no Rabbits. Chickadees & heard a few Kinglets & Creepers.

Bethel

Wea. FRI. FEB. 22, 1901 Ther. − 12° + 26°

Sunny but hazy with cloudy sky at sunset. Wind light from N. W.

Spent A.M. writing At 2 P.M. started for Glen Woods with the Doctor. We went to the 3rd opening & returned at 5. I exposed several plates (4 x 5) on rabbit & fox tracks. Not a bird of any kind seen or heard.
Roland Hayward arrived at 4.45 P.M. I drove to Station to meet him.

Wea. SATURDAY 23 Ther. − 8° + 28°

Sunny but hazy. Clouds gathering in late P.M. bright S. W. wind.

Spent A.M. writing. Roland drove to & across the Ferry on Bowers Lake road. In P.M. we took a tramp on snow shoes through the Glen Woods to Rose Meadow. On the way back we were surprised to meet two young girls on snow shoes. One of them carried a rifle.
Saw a small flock of Chickadees & heard a Canada Nuthatch. On first this morning. A Blue Jay screaming in orchard in A.M.

Bethel.

Wea.	SUN. FEB. 24, 1901	Ther.
		+ 10°
Cloudy with occasional glimpses of sunshine; a harsh but not violent N. W. wind.		26°

In A. M. (11–1.15) Roland and I went up the wood road to its termination at the lumber camps, two log buildings of rude & primitive construction. Near them we found a pair of White breasted nuthatches (new to my list) & a Chickadee. Saw a Blue Jay near the Gehrings' on our return. I did not go out again.

Wea.	MONDAY 25	Ther.
		6°
Cloudy with brief periods of sunshine		33°
No wind whatever most of time.		

Spent A. M. writing the Winter Thrush, Tree & Chipping Sparrows for Cambridge Birds. After lunch Emerson drove me down to Norlin & we went up the wood road in the sleigh leaving us at the cross roads whence we walked up the long, steep hill past the Peter Grove place (deserted). Saw four parallel Partridge trails crossing the road. Fine views from top of hill. Walked home late afternoon sunny & soft with a tender light just before sunset.

Bethel.

Wea.	TUES. FEB. 26, 1901	Ther.
		16°
Sunny [illegible]		39°

[illegible] Spent the [illegible] fields. At 2 P.M. [illegible] woods. The air was warm [illegible] Saw two Juncos and three Chickadees [illegible] The snow—[illegible] was marked with [illegible] on the deep snow outside. [illegible] trail made about a mile of

Wea.	WEDNESDAY 27	Ther.
		11°
Clear with strong N. W. wind.		19°

Spent whole A. M. in house writing on Cambridge Birds [illegible] Saw Sparrows & Juncos.

In P. M. (3.15–4) walked up the wood road with Dr. Gehring. There was a strong [illegible] the wind was violent & bitter cold. We had to walk fast to keep warm. Heard a Chickadee.

Bethel.

Wea. THUR. FEB. 28, 1901 Ther. + 5°

Brilliantly clear. wi: strong N.W. wind 18°

Spent A.M. working on "Cambridge Birds". At 3.30 P.M. started out with my 4×5 Camera taking the road to Grove Hill. Near the mills in the first valley I saw a freshly killed Skunk which some one had thrown into the bushes by the roadside. Followed the road for half a mile & then leaving it ascended to the summit of a bare hill on snow shoes. Had a fine view and enjoyed an exceptionally beautiful sunset. Heard a Hermit Wood Thrush. Got all the plates worth of which came out well

Wea. FRI. MARCH 1 Ther. 10°

A.M. sunny but hazy, P.M. cloudy. 37°

Strong wind from S.W.

Spent A.M. on the Cambridge Birds writing them, the Towhee, Cardinal & Rose Br. Grosbeak. In P.M. went to the Glen Woods on my new Snow shoes made by Dinsmore of Norway Me. They are good in some respects but much too heavy. Saw two Kinglets and a flock of three or four Chickadees. There were few fresh tracks save those of mice.

Bethel.

Wea. SAT. MARCH 2, 1901 Ther. 30°

Cloudy clearing in late P.M. 40°

Light N.W. wind.

Spent A.M. working on Cambridge Birds. In P.M. (3-4) walked to Grove Hill with Dr. Gehring. Found a patch of bare ground beyond yards square under a pine. Saw Fox trails and a perfectly fresh one of a Skunk who had crossed the road. No Birds were seen [illegible]

Wea. SUNDAY 3 Ther. −1

A.M. brilliantly clear with S.W. wind 24° at night after 10 o'clock. Clouds gathering in P.M. Bright snow fall. Started out with Dr. G. at 9.30 A.M. taking snow-shoes & 2 cameras. A Downy Woodpecker began drumming in an elm by the mill as we passed & we heard him at intervals for an hour later & for a distance of half a mile.

It was a glorious morning without a breath of wind at first. We took the Grove Hill road & I exposed 14 plates before 1 P.M. The conditions were simply perfect for photography. We left the road on the crest of the last hill & on our snow shoes crossed through the woods to the mill Pond below the house & thence across the fields home. Besides the Downy we heard only a Canadian Nuthatch, a Blue Jay & 2 lots of Chickadees. There were fresh Skunk trails everywhere in the fields. What can they find to eat now?

Bethel

Wea.	MON. MARCH 4, 1901	Ther.
		22°
Sunny through middle of day but cloudy		48°
at morning & evening. Strong S. wind.		
The snow receded rapidly & there were pools		
of water in the woods.		
Spent a.m. in house writing. In		
P.M. walked to village. No birds to-day.		
They do not seem to come about the		
house during mild weather now as they		
did early in the winter. Nor can I		
find nearly so many in the woods.		

Wea.	TUESDAY 5	Ther.
		30°
Six in. of damp snow fell last		44°
night loading the trees. The sun came		20°
out bright & warm at 9 a.m. & soon		
melted them. The P.M. was cloudy with		
snow squalls. Sunset clear with cold N. wind.		
Went with 5×7 camera at 9 a.m. Struck		
across the fields to mill bridge but got		
no further for all the snow fell from		
the trees in a few minutes. Exposed 4		
plates & got back by 10.30. Saw Jays		
screaming but no other birds noticed.		
C. arrived by 4.30 P.M. train. We walked		
up from Hollow.		

Bethel.

Wea.	WED. MARCH 6, 1901	Ther.
		+ 5°
Cloudy with long periods of		17°
sunshine. Wind N.W., rather strong.		

C. & I walked up the wood road a short distance just after breakfast. In the P.M. we took the same convenient pathway, following it as far as the cross roads. Not a bird of any kind was seen or heard on either occasion. There were very few fresh tracks even of Rabbits. The wood cutters are still at work on Balsam Knoll which they have nearly stripped.
Write for 2 hours in a.m.

Wea.	THURSDAY 7	Ther.
		— 22 (R.R. Station)
Clear, the air rather slightly hazy.		— 12 (our house)
Dead calm up to 10 a.m. After		+ 22
that a moderate S.W. to W. wind.		

C. & I started for Grover Hill at 9 a.m. taking the 5×7 camera. Crossed the fields to the mill on snow shoes. Exposed most of my 10 plates along the road beyond. C. climbed to the top of Sunset Knoll. A Chickadee singing & a Canada Nuthatch calling there. We came back through the pine woods to the Cross Road by the mill pond. Although the thermometer fell to +5° when we reached home & I had spent very little in P.M. I wore no gloves & did not come very cold when

Bethel — Portland.

Wea. — FRI. MARCH 8, 1901 — Ther. + 4° 34°

Cloudy with almost no wind — occasional breaths from N. or N.W.

Spent entire day in this house packing for our departure to-morrow, a wearying business always & especially trying this time because I brought a lot of things in December & have been adding to them ever since. I have two trunks, two large boxes & a portmanteau which is enough. Despite this hurry & worry of the day I managed to write a brief (in Home Surroundings) for the Commonwealth last.

Wea. — SATURDAY 9 — Ther.

Cloudy, calm, mild. 44°

C. & I left Bethel by the 8.45 train this morning. At North Yarmouth most of the fields were bare and the roads deep in mud but the woods were still buried in snow. Saw 2 Crows in this town.

There was almost no snow left in & around Portland. We went to Congress Square Hotel. Took a walk in P.M. and afterward 4 plates I at the Canon, one at the Cleaveland house. The light was very poor

Portland — Cambridge

Wea. — SUN. MARCH 10, 1901 — Ther.

Brilliantly clear with light N.W. wind. Much colder but thawing as warm.

In A.M. C & I went to services at the Stone church (St. Pauls). We did not hear the old parson this time but a man not much over thirty. Returned to hotel for the camera & took several photographs of old houses before dinner. Spent P.M. in room. C. had a cold coming on

Wea. — MONDAY 11 — Ther.

Heavy rainstorm beginning last night & lasting most of to-day. At Bethel as I heard later, about 12 in. of snowfall.

C. & I spent the morning in our hotel. At noon we drove in a carriage through a pouring rain to the Union Station whence we took the 12.45 train for Boston. There was a little snow as far as Portsmouth; beyond there the country was almost wholly bare. Reached the house at 5 P.M.

Cambridge

Wea. TUES. MARCH 12, 1901 Ther.

Clear with strong, harsh N.W. wind; a typical March day. 40°

Spent most of day in Museum working but drove to Fresh Pond with C., at 8.30 A.M. The Pond was still covered in ice but its looks cheerless. A few Gulls wheeling over the Chickadees, a Cowper & 3 Crows in our garden. Walked to Elmwood in late P.M. Wild Storm came in late & blinds morning.

Wea. WEDNESDAY 13 Ther.

Clear, calm, warmer.

Chills, fever & pains in back, head & legs came upon me last night & I have spent to-day in bed. It looks like a short but sharp attack of the grippe. I am decidedly better this P.M. but still a little weak & feverish.

Cambridge.

Wea. THUR. MARCH 14, 1901 Ther. 35°

Cloudy & snowing most of day then turns to melting as it blows. 38°

Spent day in Museum working then birds for Cambridge List in A.M., looking over negatives etc. in P.M. Mr. Beard's son brought us a fowling which seems to be that of a Snowy Owl & which he found on the Flats flew under a tree from which a very large bird flew at dusk with a single loud cry. The boys talk as if Red-wings & Grackles have arrived. My crocuses are up but not one of them has blossomed yet.

Wea. FRIDAY 15 Ther. 30°

Cloudy with chill N.E. wind and flurries of snow. Sky brightening in W. at sunset. 38°

Just after breakfast drove to Cambridge Savings Bank with C. & signed a bond for $2000. to enable her to replace a lost book. Wrote two birds for Cambridge list in A.M. Mrs. Simmons lunched with me C. being absent in Boston, Dr. Woodworth called at 2 P.M. At 4.30 P.M. C. & I started for a walk, up Beacon St., through Lowell St., back by Huron Avenue & Highland Sts. Fresh Pond pretty from S. [illegible] no birds except a hard Crow.

Cambridge

Wea. SAT. MARCH 16, 1901 Ther.

32°
40°

Cloudy, calm, milder but chilly still.
a gloomy day.
Took a short walk after breakfast with C.
Heard a "Pickerel" shooting for the first time in
ice by old reservoir. A Solitary Robin
appeared in the garden this a.m. It called &
ran about on ground near house. We also heard
a White-throat Sparrow in the garden singing.
Gilbert saw 2 Bluebirds & a flock of 16 Robins at
Concord.
C. & I walked to Botanic Garden in P.M. &
spent an hour in the greenhouses, especially
from Mexico & Cyclamens.

Wea. SUNDAY 17 Ther.

24°
37°

Brilliantly clear with no wind
Clouds gathering in late P.M.

Go to St. Johns church with C. at 9.30 a.m.
Saw a Cross Bluebill and alight in
Smiths pond (North St.)
Wrote letter from 10-12. Then went
in town with C. to dine at the
Haywards. A.M. Mary, May, Mary, Richard
& Miss Hammond at table. Frank & Haywards
morning visitors after dinner.
At 4 P.M. went to Attleboro Club & took
a Knickerbocker with C. Read from the
Gentleman from Indiana in the evening.

Cambridge - Concord - Cambridge.

Wea. MON. MARCH 18, 1901 Ther.

30°
50°

A.M. brilliantly clear. Clouds
gathering in P.M. Strong W. wind.
Gilbert & I took 8.24 a.m. train to
W. Bedford. Pat met us at boat house.
Arnold had just cut down from large
maples on my land (Smith's meadow fence).
I sent Gilbert for logs & we had a long talk.
Then crossed river in dory. Karl Ellison,
Peter, Swanson & Hansen off around cotton.
At P.M. took a walk to Pine Ridge &
Dring Hill. Heard Bluebirds, Song Sparrows &
Redwings. Saw 17 Herons & Kingfisher. Ice formed
Pat & Pontin dgs. Ch. improved

Wea. TUESDAY 19 Ther.

30°
45°

A.M. cloudy with strong, raw
N. E. wind. Most of P.M. sunny
then wind falling to a light breeze.
Walked to Farm at 8 a.m. meeting
Sonny, Hansen & Peter there by appointment.
Got back to the cabin about noon.
Albert Wood (Surveyor) & his assistant appeared
at 1 P.M. to locate my land across the river
where Arnold has been cutting. They both say
he was present when the land was seen & claim
by agreed to them.
Peter came down to cabin at 3.30 P.M.
& I had a long talk with him & Swanson.
Gilbert & I returned to Cambridge by
6 P.M. train

Cambridge.

Wea. WED. MARCH 20, 1901 Ther.

34°
Cloudy with raw N. E. wind & a 38°
fine drizzle of rain.

First snow drops in bloom front yard.
Spent a.m. in museum working on Cambridge Birds. At 2 P.M. drove to Museum Comp. Zool. where I saw Woodhouse's, Tarson and Bangs. Mr Coues has put the collection in recommended in form order.

Went into Boston at 4 P.M. Called at Mrs. Fabyan's Wedding Anniversary Reception was there to-day but wedding was last Wednesday. Dined at Athletic Club and came C. at Boston station at 7.45 to hear Sunrisers talk on Spiders.

Cambridge (Boston)

Wea. FRI. MARCH 22, 1901 Ther.

38°
Brilliantly clear with light W. wind 50°
First crocuses, 5 or 6, bloomed this morning.

At sunrise a Robin was in full song in our windows & later a Flicker was drumming there. After breakfast C. & I walked to Harvard Square. Saw four Grackles, a Song Sparrow in Longfellow Park & a Bluebird flying over Charles River. Spent a.m. writing. To Boston in P.M. to go over secretaries of our Junior Society with my cousin & Carlton Eastwood. Paradise Lost Club & Hermit Club evening with us.

Wea. THURSDAY 21 Ther.

52° 8 a.m.
Cloudy with heavy rain 10 a.m. to 58°
8 P.M. Air very mild & light.
Robin in nearly full song in the windows early this morning.
After breakfast C. & I walked to Belmont & back along the river. Bought home plants at Montmorency's greenhouse. Saw only a few birds.
In P.M. R. Heber Hoben and Mr. Cook of Providence called. Mr Cotter brought a month's Health-lamp which he exhibited with us for an Dec. Sparrow. Charlie also brought out a kite ?
Finished Dodd's Africa.

Wea. SATURDAY 23 Ther.

30°
Brilliantly clear with almost no wind.
Took a drive with C. after breakfast. On the way of Fresh Pond saw Grey's woods found 12 Blackbirds, several Fly., Jays & Song Sparrows, a Downy, a Flicker, Crows, & about a dozen Robins. All the Sparrows were singing lustily & well. Fresh Pond still frozen & no water birds there. Near Hittinger's found some 4 more Blackbirds together with the other wintering. Also dozens of Robins. Song Sparrows everywhere. A Cardinal in Mr Brookline's Brook & a Bluebird in Longfellow Park. Heard most of song-birds in Belmont from Springfield this O. M.

Cambridge . Concord

Wea. SUN. MARCH 24, 1901 Ther.

Cloudy with N. E. wind & light rain in P.M. 42°

To St. John's Church with C. at 9 A.M. Then walked back by way of Berkeley St. Saw a Song Sparrow & heard the same, cause note of a Bluebird both in the Smith's place. Grackles "creaking" & flying about very thick. Some 15 or 20 in all. Also saw 5 or 6 Robins. Wrote letters all A.M. Dined at the Hayworths with R., Edith & Miss Hawes and Aunt Mary did not come down to dinner but we saw her. Took Twilight both on account of Chd in P.M. Crossed on the ferry in evening

Wea. MONDAY 25 Ther.

Early morn & late P.M. cloudy. 30°
Rest of day clear with E. wind
Gilbert & I took 8.34 A.M. train for W. Bedford. I spent the whole A.M. with Crowell. The country in W. Bedford shows growing with Robins, Bluebirds, Red wings & Song Sparrows. Saw 5 Fox Sparrows at Frost house. They sang gloriously. Dined at Coburn House & drove above near Bull's Hill the where P. M. Hoar many birds — a few. Song Sparrows & Red wings — 46 Robins in one flock going to roost on Pon. Ridge. Saw 3 Shelldrakes & 2 Black Ducks.

Cambridge . Concord

Wea. TUES. MARCH 26, 1901 Ther.

Heavy rain storm beginning before daybreak & lasting into following night. N. E. wind

Crossed river in pouring rain & took 8.13 train for Cambridge where I spent the day & night. Wrote on the Cambridge list in A.M. doing three numbers. Saw two Robins in the garden. C. & E. R. S. came to see us in the evening.

Wea. WEDNESDAY 27 Ther. 50°

Clear with rather strong W. wind. A cold but not chilly day.

Took 8.34 A.M. train for W. Bedford. Crossed over to Bull's Hill where I spent A.M. with Pat & Allison. Transplanted a few hardwoods. There is little frost in ground. Walked to Forge & back in P.M. Lang has begun digging the cellar for the farmer's house. Saw a good many birds. Bull is coming by 4 P.M.

Concord – Cambridge.

Wea. THUR. MARCH 28, 1901 Ther. 32°

Partly cloudy with strong N. W. wind and several snow squalls. 42°

Spent A. M. with the men. Long came down to cement the cistern behind the old cabin which looks badly. I took Pat & Elbain to Holden's Hill where we cut three chestnuts. I towed down the largest one with my canoe. P. M. 12. 25 (Noon) Train for Cambridge. Rec. D. Darbon of Dorchester, N. H. called in P. M.

Wea. FRIDAY 29 Ther. 28° 34°

Cloudy most of the day & very cold for the season with strong, harsh N. W. winds.

Spent A. M. writing but before beginning worked to Harwood Square with C. Came back alone by way of Brattle St. where I found at least 20 Cross Bill Birds, most of them in harmony apparent in the Bobbies' grounds & opposite as well as in the Wheeler houses in rear of Longfellow estate. A few also on Porter estate. Saw one in Spent P. M. in doing [illegible] by working [illegible]

Cambridge – Concord.

Wea. SAT. MARCH 30, 1901 Ther. 30° 40°

Brilliantly clear with strong N. W. wind.

In A. M. walked up Brattle St. & Fayerweather St. & back by way of Highland St. with C.

Spent A. M. writing during four hours for the Cambridge Post which is well through the Woodbury work. Worked on the collection in P. M. Enjoyed a moonflower Pearl down to prune dead branches in our trees. A pair of Cross Bill Birds spent the day in our garden. There were two or three Robins there also.

Wea. SUNDAY 31 Ther. 34°

Sunny with drifting fleecy clouds

In St. John's church with C. at 9 A. M. Called at the Thayers afterwards. Wrote letters in afternoon. Dined at the Hagwoods with Aunt Mary, Mary, Harry, Roland & Miss Hammond. After dinner called at Frank's but he was out. C. & I then drove to Greenleaf Station to call on the Stevens but they, too, were away. I took 4. 30. P. M. train for Bedford, thence by electric to W. Bedford. Gilbert with me. S'lept in new Cabin for first time

Concord. Cambridge

Wea. MON. APRIL 1, 1901 Ther.

Largely cloudy with strong N. wind

Spent A.M. with Pat & Ellison at the house, carpenters planning for the inside finish and preparing a drain bed on the right of the house.
Went, in the afternoon for P.M. paddling down river and landing below Davis's & walking home through the woods. The man found nearly finished digging the cellar for our farmer's house. Got Scarlet Cowell from Dogwood. Walked to Pine Pond & Beach Spring at sunset.

Wea. TUESDAY 2 Ther. 40° 8 a.m.

A.M. cloudy with fine rain
P.M. drizzly but hazy.

Crossed river at 7.30 a.m. & picked out some trees for cutting. About a dozen Tree Sparrows, & six wrens upon the sparrows in willows on edge of field, more of them singing. Have recently heard song sparrow.
Took 8.13 train. Left electric at Waterhouse St. & walked through Fottrell & Berkeley Sts. Saw many Crow Blackbirds. Heard & saw Song Sparrows in field song in the Wyoming field. Spent A.M. working. Dug some garden in P.M. Frank Allen called at 8.30 P.M.

Cambridge.

Wea. WED. APRIL 3, 1901 Ther. 40° 8 a.m.

Cloudy with intermittent rain.
Steady & very heavy in P.M.

Took a walk soon after breakfast. Saw a Brown Creeper on a hickory walk opposite on Berkeley St. Saw Robin in full song. Grackles flying about everywhere. Robins in favored places but very few as yet. Wrens in Cambridge as yet. Called on Mrs. Bolles who told me the Grackles began nesting in their pines in either 1894 or 1895. They came about three a year or two earlier. She showed me an interesting letter from Lowell to Mark Twain. Spent A.M. working in Cambridge Bank, P.M. working up copy for A.O.U. Committee

Wea. THURSDAY 4 Ther. 42° 7.30 a.m.

Cloudy with light rain

Took a walk with C. just after breakfast, to Belmont, thence through Beech St. & along to Fresh Pond & back out the Trapelo road. Saw 12 species of birds not including Eng. Sparrow. Among them were 3 pairs of Bluebirds, a pair of White Br. Nuthatches, 3 Song Sparrows, 3 Tree Sparrows, a woodcock & Spent A.M. writing the Comm. Ornithology for Comm. Mass. Also letter to P.M. Got C. interested & Spent evening

Cambridge - Concord.

Wea. FRI. APRIL 5, 1901 Ther. 42.0 a.m.

Cloudy with fine rain in P.M.

Drove through Mr. Anderson with C., just after breakfast. Saw three 4 Flickers, & Crows & a Redwing (at Mackerel Pond, singing) Heard a Blue Jay in Cotholic Cemetery. Picked out birds to take to W. in a.m. Go Boston at 11 a.m. Went directly to Esterbrook Bros & spent an hour there. Took 1.47 P.M. train for Concord. Go Fenn at 4 P.M. Strolled over the farm. Caught a robin with worm. Saw flock of 70 Indian Geese.

Wea. SATURDAY 6 Ther. 42.0 82.0

Cloudy with light rain in P.M. and a perfect deluge the following night.

Returned to Cambridge by 8.13 a.m. train. Heard 2 F. of Sparrows at Lincoln & saw a solitary Tree Swallow as we were crossing the river.

Found 2 F. of Sparrows in our garden at Cambridge. One of them sang as intently through the forenoon. Spent most of day walking on Camb. Bridge. Nile & Allen Gleason dined & spent the night. They went for Rockbottom Way 11.

Cambridge - Boston - Concord.

Wea. SUN. APRIL 7, 1901 Ther. 52.0 8 a.m.

Cloudy with fine rain in P.M.

It poured in torrents all last night - the heaviest rain I think for a year or more.

A Fox Sparrow sang divinely in the garden all the forenoon. He had a rarely modulated voice, rich, full, mellow. A Song Sparrow also singing. Went to a Pickerel Shooting.

Go St. John's church with C. at 8.30 a.m. Went Cotton all forenoon. Go the Haywards on wheels. C., Roland & Mr. Bennett on Cotton. Found many wet well. Started for W. Stafford at 3 P.M. & reached the cabin at 6.30. By direction mostly very. River at full flood - the water up to course step in front of cabin. Saw very good in Cam & Co-day.

Wea. MONDAY 8 Ther. about 50°.

Cloudy with light constantly winds & fine rain most of P.M.

Spent most of the day at or near Bolles' Hill. Transplanted a number of ferns & a few mountain cornels in a.m., burn Cornelous in P.M. There is almost no frost in ground. Walked to Pine Pond in evening. A flock of about 80 Geese passed over Bolles' Hill at 4 P.M. The river is very high & the Concord ship on brink of Colonial was flooded Tuesday

Cambridge, Mass. & Washington D. C.

Wea. TUES. APRIL 9, 1901 Ther.

Cloudy with easterly winds and fine rain.

Took 8.13 a.m. train for Boston where I bought a new overcoat at [illegible] $30 and a Bell's Eng. Co. for C. at Lloyds. Went out to Cambridge at noon. Spent P.M. packing & writing letters.
Saw [illegible] at Mt. Auburn this morning. A few Sparrows on [illegible] Sparrow & 6 or [illegible]

Wea. WEDNESDAY 10 Ther.

Cloudy with fine rain in A.M. Sky cleared just before sunset.
Left Boston with C. by Colonial Express at 9 a.m. & reached Washington at 9.40 P.M. No marked change in vegetation until south of Jersey City when we began to see intensely green fields & elms & maples thickly with blossoms. Saw only a very few birds & nothing of interest. Saw over hundreds of Nesting Gulls at New York. Went to the "Cosmos" at W.

Washington, D. C.

Magnolias, forsythias, Japan quinces, plums & cherry trees in blossom. Horse chestnuts in leaf. Grass 6 in. high.

Wea. THUR. APRIL 11, 1901 Ther.

Brilliantly clear & pleasantly warm. Breakfast at 8. C. & I then drove to market where we bought flowers for our rooms. Thence to Smithsonian where C. left me. I found Allen & Merriam in the gallery where we had our Conn. meeting (10-12.30 a.m. 2-4 P.M.). Richmond active as travelling. Allen & I lunched at Nat. Mus. Cafe. Saw Fisher for a few minutes. Lots of Purple Grackles in Smithsonian grounds. Both to Cosmos at 4 P.M. Dinner with C. & relatives to the Zoo at Rock Creek. Poor collection of mammals. Two fine Moose bought. Collection of birds fair but very poor. Saw Field Sparrows, all singing. Saw Robins, Crows, Song Sparrows, Purple Finches, Fox Sparrows, Chipping Sparrows, Juncos, Cowbirds, Grackles, Blackbirds, Bluebirds, Mourning Doves, Red-headed Woodpeckers, Cardinals, Wrens, Catbirds, Hermit Thrushes, Robins, Phoebes, Kingfisher, Hawks, Crows, Ducks, Herons, Cormorants, Gulls, Sandpipers, Ducks, Herons, Cormorants, Gulls, Sandpipers, Ducks, Herons, Cormorants, Gulls, Sandpipers

Washington, D.C.

Wea. SAT. APRIL 13, 1901 Ther.

Cloudy; wind E. rather chilly.

Merriam called at "Cairo" at 9 a.m. & took me to Cosmos Club where I saw a lot of paintings by Knight, Gedney & Gifford. Knight's very fine. Gedney's fine to woodcuts. Thence to Corc. meeting at Smithsonian. Allen & Richmond present. Lucas, Dr. Beard, Fisher, Preble & Osgood drifted in. Smithsonian grounds alive with Purple Grackles. A good many Fish Crows also & a few Robins. Have been walking clear, clear.
C. came for me with a cab at 4 P.M. We drove thence through the parks & dined at the Merriams at 6.30. Met Allens & Gilbert there.

Washington, D.C.

Wea. MON. APRIL 15, 1901 Ther.

Cloudy with light but steady rain all the afternoon. Wind N.

To Gallery with C. at 9 a.m. to order some seeds & prepare as presents. Thence to Smithsonian Committee meet at 10 a.m. Present Allen, Merriam and, for the first time, Ridgway. Made good progress to-day dealing with a lot of sub-species regarding very wrong of them. Lucas & Gill called on us in the gallery.
C. came for me with a cab at 4 P.M. We drove straight to the "Cairo". She went to me in the wrong.

Wea. SUNDAY 14 Ther.

Heavy N.E. rain. Storm with violent wind.

To Stone church of 19th St. with C. at 11 a.m. In late P.M. took a walk alone to Dupont Circle where I heard a Robin calling. Peach trees & cherry trees in full blossom.
C. read aloud from "Cardinal's Rose" in P.M.
Early in the morning I hear Fish Crows coming as they fly over. They have quietly increased in & about W. Another very late visit.

Wea. TUESDAY 16, Ther.

Trip to Mt. Vernon.

Brilliantly clear with strong N.W. wind. Warm. To Mt. Vernon with C. by 10 a.m. boat. Spent whole A.M. (10–1.30) walking about grounds, taking photos, seeing horses etc. To Alexandria by electric at 2 P.M. Visited Braddock House & old church. At former bought 32 of old furniture. Expected a dozen more pieces. Reached W. & the Cairo at 6 P.M. after a more interesting day.

Birds at Mt. Vernon. 1 D. dominica ♂, 1 Polioptila, 1 Tom. ob. ♂, 1 Spin. pusilla ♂, 6 or 8 S. aurocapilla, 1 Sicalis ♂, 1 Thryothorus ludov. ♂ sev. D. coronata, dozens of Eng. Sparrows, sev. Purples, 2 Grey & quite a few Fish Crows. About 100 Barns on the Potomac River. 1 Eagle, very flock Common Gulls, flocks Ducks, about 60 Turkey Buzzards drying wings.

Washington - New York - Englewood.

Wea. WED. APRIL 17, 1901 Ther.

Brilliantly clear; wind S. W. light. Warm

To Penn. R. R. Station with C., at 7.20 a.m. Breakfasted there. C. started for New York at 9 a.m. I then went to Smithsonian grounds & exposed 12 film plates 3¼x4¼. Bright clear & brilliant. Almost no wind. Flocks of Purple Grackles, a few Robins, one song sparrow singing, a few Tree Sparrows. Committee met at 10 a.m. Present, Allen Morrison & W. A. Richmond with us. Worked until 4 P.M. Saw Wood & Osgood. Took tea & spent evening at Morrisons. Gilbert & then Allens there. Received copy of Knight's mammoth painting in oil which cost us $125.

Wea. THURSDAY 18 Ther.

Cloudy with N. E. wind. Much cooler. Left Washington at 10 a.m. and reached New York at 3 P.M. Went directly to Murray Hill Hotel where I saw C. Bailey Kellogg & Mrs. de Jersey. Chapman joined me at 6 P.M. & we started at once for Englewood. Took a walk there before supper, to the railroad station & beyond. Heard a woodcock sing a number of times & saw the bird once as it rose on its spiral course. Robins singing freely. A flock of Bluebirds working in the orchard near the house.

Englewood, N. J. New York & Providence.

Wea. FRI. APRIL 19, 1901 Ther.

Cloudy with light N. E. wind.

Took short walk before breakfast, at 9 a.m. started out again with Chapman returning at noon. Crossed the railroad & wandered through Phelps woods following wood roads. Saw & heard very many birds. Field Sparrows abundant & singing freely. A Carolina Wren, pair of Fish Crows, flock of 100 or 200 Crackles in pasture, Bluebirds, Robins, Song Sparrows, Flickers, Blue Jays, 2 Red Sh. Hawks, a Nuthatch, Downy & Hairy Woodpeckers, etc. Woods carpeted with Claytonia not yet in bloom. Hepatica in full bloom. Returned to New York by 4.20 Bus. Crane & joined C. at Nursery Hill Hotel.

Wea. SATURDAY 20 Ther.

Cloudy with N. E. wind and a fine drizzling rain.

C. & I left New York by 10 a.m. train, spent P.M. in Providence where we saw Annie Ritter at the Sisterhood, I also visited Brown University. The bird collection is from considerable number of specimens fairly mounted, no backgrounds or dates on labels. There must be in all 700 or 800 mounted birds all N. Am. Also visited Angell & Cobb. They are doing wonderfully fine work. Saw Chas. & Dennis Torrey. Here a week or 10 days on Brook St. Took 5.56 train for Boston reaching home at 7.?? a

Wea. SUN. APRIL 21, 1901 Ther.

Unchanged, cool & cloudy with N.E. winds, growing daily more so as days from Easter.

In St. Johns Church with C. at 9 a.m.
Written letters the remainder of the day.
C. went into Boston in P.M. to see Convent Nancy who is better.
Vegetation has advanced but little here since we started for Washington on the 10th.
Heliotrope, or in flower in the garden the only wild flowers as yet out.

Wea. MONDAY 22 Ther.

Still cloudy with frequent light showers & cool easterly winds.

Spent A.M. transplanting trees with Pelsey & his men. Our town Robin of last year is here again this season & follows the men closely when they are digging up the ground. A Catbird has taken possession of the box on the elm. Saw P. again & thought from closely singing just below the house. Only the 3d bird seen thus far.

Wea. TUES. APRIL 23, 1901 Ther.

Precisely similar to that of the past three days.

Spent A.M. in the house with Gilbert packing my things to take away for the summer as we close the house this week. Went all P.M.
To Boston Theatre at 7.45 with C. & E. R. S. to see Sarah Bernhardt & Coquelin in Cyrano de Bergerac. It is a fine play & of course wonderfully rendered by these great actors.
Got home at 12.30 P.M.

Wea. WEDNESDAY 24 Ther.

Heavy rain storm with strong N.E. wind.

Spent A.M. packing, writing etc.
Took 3.01 P.M. train from Arlington to Concord with Gilbert. It was literally pouring when we reached W. Bedford and struck out along the railroad embankment on our way to the boat house. Spent the night in the new cabin. The doors from Centuring remained until morning. A Bobolink & Robin the only birds heard here.

Concord – Cambridge.

Wea. THUR. APRIL 25, 1901 Ther.

Continued heavy rain all day with strong N.E. wind.
Spent A.M. in the new cabin putting things in order. Martin Pat was Edison approach.
Saw two thrashers alight in the tree opposite the old cabin.
Took 12.35 train for Boston where I bought a lot of padlocks & other things at Hickwicke's & ordered a suit of brown clothes at Mountcastle. Went to Cambridge on 5 P.M. & to hear J. of "Ye Dere" club at Thayer's in evening. Present Jeffries, Townsend, Goodrich, Sturtevant, Walter & Thayer.

Concord

Wea. SAT. APRIL 27, 1901 Ther. 32°

Brilliant, clear with violent N.E. wind. Ground frozen slightly in early morn.

Spent the day working in the new cabin. Edison putting up shelves etc. Pat laying a cement wall along the path. A Phoebe hanging about chirping. A Pine Warbler singing. Several Juncos feeding on the grass. My cold at its height.
Dr. Gehring arrived by 5.30 P.M. train. We took a short walk before supper.

Wea. FRIDAY 26 Ther.

Cloudy, most of afternoon sunny. Cold wind still in N.E. & blowing hard as ever.

Took 8.34 A.M. train for Concord. Crossed the River on bridge opposite Sparrow day on cabins. Hard approach all morn & walked all P.M. Walked to Pine Park at sunset. Robins & Red-wings singing. Rivers at flood pitch again. In our cabin both fireplaces go. Pat large that he writing has learned nicely all morn by dropping pebbles. I found our chest on to stay

Wea. SUNDAY 28 Ther.

Cloudless with almost no wind. Warm.
Dr. Gehring & I walked to Davis's Hill & Pine Ridge in A.M. Crossed river at noon & met E.R.S. and Mr. Lowell who came up by electric cars. C. was to have come but an attack of rheumatism prevented. Mr. & Mrs. Emerson joined us at 1 P.M.
After dinner we all walked together to the farm where our goods left us. Dr. G. & I strolled along back through the woods. A Hermit Thrush in front long near Purkfit Rock.

Concord.

Wea. MON. APRIL 29, 1901 Ther.

Cloudless, clear calm all day, apparently warmer than yesterday, perhaps about 60°.
Dr. Gibbens left by 7.40 a.m. train. Before then we walked about on the hill. I went to farm via Denis's Hill (7.30 - 11 a.m.), 12 Yellow Palm W. & Ruby-Crown, on Bobbs Hill. A Hermit Thrush, near Prospect Rock. Then breakfast 7.45, then fruit.
Took 12.35 noon train for Cambridge where I joined C. & B. R.S. Returned by 5.01 P.M. train from Arlington

Wea. TUESDAY 30 Ther.

Cloudy with frequent light showers. Cooler. Wind N.E. to S.W.

Go to the Farm at 8 a.m. Spent the day there overseeing the men. There were lots of them at work. The foundation wood for farmer's house is nearly completed. Saw or heard were the Barn Robins, Bluebirds, 2 Field Sparrows, a Chippy, a Yellow Warbler, a Downy, a Flicker, Crows, Jays etc. Found a Cotton-tail Rabbit chewed under the forsythia bush on Barn S. Side. Went & returned home way by Colonel Dodd's Hill.

Concord

Wea. WED. MAY 1, 1901 Ther.

Brilliantly clear with light S. & S.E. & S.W. winds.

Spent day at farm working both ways. Made a good way in to the new house. Pat worked on the flower garden. The masons were finishing the underpinning of the barn. Bobbs hanging fence. Only arrival noted was the Barn Swallow. Gilbert drove down from Cambridge on P.M.

Wea. THURSDAY 2 Ther.

Clear to 7 a.m. afterwards cloudy with frequent heavy showers. Wind S.W. to W. very cool.

Spent day at farm superintending the men. We were hopefully informed by the Zoöl. & made good progress. Worked both ways. Saw a good many birds. Carpodacus hemoglobin varia 2 ♂♂, Hor. Rufus 1 ♂, Pipits 1 ♂.

Concord.

Wea. FRI. MAY 3, 1901 Ther.

Brilliantly clear with high, cold N. W. wind.

Spent day at farm working both ways. The harsh wind delayed the birds & drove them to cover so that I saw & heard but few. Observed a short cut road through the woods winding behind the Grain. The season begins in wall of the new barn cellar.

Concord.

Wea. SUN. MAY 5, 1901 Ther.

A. M. clear with strong N. to N. E. wind. Music of P. M. church.

Went from farm to Pinedale & walked to Davis's Hill. Saw lots of Yellow warbs & Yellow Red-polls & heard a Ruby-crown in front yard. Saw a Bluebird on Grain. No arrivals the past two days. Vegetation has advanced but little since the frost work. It is more than a week later.

The Stones arrived at 11.30. We all dined at cottage, & then walked to farm. Harwood & Sanders in company. Planted the Cow-pea beans & spent an hour in farm wagon & walked home to cottage alone.

Wea. MONDAY 6 Ther.

Brilliantly clear with light W. wind, Warmer.

Spent the early afternoon digging trenches for Dr. Gehring behind Davis's Hill & on River Ridge. Birds rather silent or fewer. Heard a Ruby-crown, a Grass Finch, several Yellow Palms & Yellow warbs.

At 10 A. M. drove to farm & thence to Concord where I took the 12 noon train for Lowell where I had an hour with C. relaying the P. M. Found Pinedale at cottage. Walked to Davis's Hill at sunset. A Robin & Red wings the only birds to sing

Concord - E. Boston.

Wea. TUES. MAY 7, 1901 Ther.

Clear with light S. E. wind 83°
Warmest day thus far.

Arrivals Chimney Swift 1*, Nashville W. 1*
Yellow Warbler 1*, Chipping Sparrow 1.
A Bald Eagle with white tail sailing over Ball's Hill at uniform height with a Herring Gull rising above & swooping down at it at about 8 A.M.
Spent A.M. at Ball's Hill. To farm in P.M. Great increase in migrants of Warblers & Black Thr. Green's in yesterday. Big Robins abundant especially Hermits given to night after hard rain yesterday. Shad Bush nearly in bloom

Wea. WEDNESDAY 8 Ther.

Cloudless with light E. wind. 84°

Arrivals Chestnut-sided W. 3* Redstart 1*
Yellow Thr. Vireo 1, Rose Br. Grosbeak 1,
Bobolink 2 ♂♂ (one at Ball's Hill, one at Manse)
Spotted Sandpiper 1.
Just after breakfast walked to Davis's H with Purdie. Started for Concord at 2 P.M. Sailing up in open canoe. Met C. at Manse. With E. R. S. on way to E. Boston by 4.20 train to Eleanor's wedding. Got back at 11 P.M. & spent night at Manse.

Concord.

Wea. THUR. MAY 9, 1901 Ther.

Precisely like that of yesterday

Rose at 6 A.M. & spent an hour walking about near the Manse. Very many birds. Arrivals Chimney Swift 1, Warbling Vireo 2*
Purple Finch 1*. C. & E. Hosmer singing; also Catbird, Bobolink, 2 Wood Ducks, Song Sparrows etc. A White Bellied Nuthatch in tree over Overseer.
With C. & E. R. S. drove to farm at 10 A.M. Very cold wind & coolest to cabin to date.

Wea. FRIDAY 10 Ther.

Cloudy with heavy showers in P.M. Cool. Wind N. E.

To farm at 9 A.M. Purdie dined with me there. In P.M. we drove Dando to Carlisle & had him shod by Ottersen. It rained heavily, much on train & we saw fresh tracks. At Ball's Hill I found a Hermit Thrush & a Wilson's Thrush, both overcoats. C. A. Dalbiac came on Cair P.M. & spent the night.

Concord.

Wea. SAT. MAY 11, 1901 Ther.

Clearing, warmer. wind S W.

After breakfast walked to Davis's Hill with Porter & Lothrop. Very few birds seen on board & we were over. They are coming slowly, by distinction only many birds. Porter & Lothrop left by 9.45 A.M. train. Spent day near cabin.
Geo. V. Sacknett arrived by 5.30 P.M. train. Took short walk before supper.

Concord – Lancaster.

Wea. MON. MAY 13, 1901 Ther.

Cloudy with heavy rain in A.M. P.M. clear, warm, calm & very beautiful.
Arrivals Black & Yellow W. 1♂, Warm Thrush 1, Red-eyed Vireo 2♂.

Spent A.M. at Bald Hill. Mr. Bennett left by 8.13 train. Went to farm after dinner & drove down to Concord where I took the 5.34 train for Lancaster where I spent the night. Short birds in bloom unpleasant.

Concord

Wea. SUNDAY 12 Ther.

Cloudless, rather warm, with light, cool W. wind. A perfect May day.
Arrivals Swainson's Thrush 1, Bicknell's do. 1, Golden W. Warbler 3♂, Blackburnian W. 2♂, Parula's nest (0 eggs) (Davis Hill)
Off with Mr. A.M. with Mr. Bennett – To Davis's Hill, Pleasant Pond, Bowman's Pond & Barrett Farm.
Returning found Emerson's with Miss Child.
Another walk to Hubbard's Hill at evening.
Birds very freely all A.M. almost dead silence at evening. Mosquitoes out in force for first time. Hylas in full chorus at eve.

Concord – Lancaster.

Wea. TUESDAY 14 Ther.

A.M. Clear. P.M. Cloudy with strong & at times heavy N.W. wind.

C. & I went to Concord in A.M. by way of Fitchburg. Drove out Monroe road E. R.S. & Walden S. Bought some old furniture of Croft.
Starting out 3 P.M. we drove down to the Sudbury to Lancaster via Wayland, Sherborn & Bolton. Saw & heard first frog peeps, in fact the country seemed silent & desolate & looked as gray & depressing as in November

Lancaster,

Wea. WED. MAY 15, 1901 Ther.

Clear with light, soft S. W. wind.

After breakfast walked to the iron bridge with Miss Longmaid & Miss Howe returning by way of the Cemetery where we saw a Black-throated Green & 2 Black & Yellow Warblers, Orioles, Bobolinks, Bluebirds, Meadow larks & Barn Swallows very common. Hearing birds singing everywhere. In P. M. drove to Boston, with the Miss. Kendalls of Bostonian & Miss Howe & Miss Longmaid on their wheels.

Wea. THURSDAY 16 Ther.

Clear & warm with light S. W. wind.

Driving all a. M. with C., Miss Longmaid, Miss Howe & the Misses Kendall. Saw a Louisiana Tanager & heard a Carolina Wren, a Prairie Warbler, a Wood Pewee & a Solitary Vireo, besides very many common birds.

In late P. M. drove to Clinton with C. & bought a lot of flower seeds.

Lancaster — Concord,

Wea. FRI. MAY 17, 1901 Ther.

Clear & warm. Wind S. E. in a. M., S. W. in P. M.

Miss Longmaid & Miss Howe saw two White-crowned Sparrows upon breakfast.

C. & I started for Concord at 8 a. M.

E. K. S. & C. went to Bonnell to train Bee.

I got off at W. Bedford, dined at cabin & spent most of P. M. at farm. The men were shingling the new house.

Saw many common birds & a ♂ Marsh Hawk. In migrants saw 3 Water Thrushes & 2 Nighthawks. Trees in half leaf & already looking a good shade. Rhodora in full bloom...

Wea. SATURDAY 18 Ther.

Cloudy with steady rain beginning at 10 a. M. & lasting through the night. Light E. wind.

Spent a. M. at farm walking up & back noted 3 Water Thrushes (at Rolfe's Hill), 2 Black-throated W., & a Louisiana Thrush. Golden W. Warbler singing on farm. Plenty of common resident birds.

Dined at cabin. Took 5:34 P. M. train for Worcester. Spent night there alone C. having failed to return.

Lancaster.

Wea. SUN. MAY 19, 1901 Ther.

Heavy N. E. storm with flurries of rain - Cold.

Spent most of day in house alone, reading & writing. Left P. M. Cole the days for a week to the Cumberland & the mountains beyond. Saw Barry his first lesson in following at heel. Robins, Bluebirds & Orioles heavy finely throughout the entire day.

Wea. MONDAY 20 Ther.

Cloudy with strong cold N. E. wind and driving mist but no real rain.

Drove Dando over the New Bridge road in A. M. Met the 1.30 & 6.30 trains with him & the 7.50 P. M. train by electric car after being C. but he did not come. Took the dogs for a walk in P. M. Heard two Parula Warblers & a Black-throat Green Birds flying all day.

Cambridge - Concord.

Wea. TUES. MAY 21, 1901 Ther.

Early morning cloudy; remained so for a while & warm with light S. W. wind. Left Cambridge by 7.30 A. M. train. Stopped at Concord & drove to Warren's for a visit from C. who had been there over Sunday & Monday. Had fine game in Cambridge. Followed him by 9.45 train & found him at our house. We entertained Phelan, Bircliff & Lewis the last above electric lighter. The garden was as fine sight as a dream. Saw Olive Brook on Long Hill also a large heavy cloud & a little rain. Sparrows & Bobolinks at 7 P. M. C. & I spent evening at Parker House.

Wea. WEDNESDAY 22 Ther.

Cloudless and unseasonably warm.

Took 8.17 train from Boston & W. Beach Gibbs got on at N. Cambridge. Dined at Coburn & spent P. M. at farm. Took 5.34 P. M. train for home. Lots of birds in the Concord woods but nothing out of ordinary - a brown thrush. The river has risen again to nearly full flood height & the meadows are covered deeply

Lancaster

Wea. THUR. MAY 23, 1901 Ther.

Clear and warm with light S. W. wind.
In A. M. took a walk with Dr C. to the warehouse by the river. Spent an hour or so in writing letters.
In P. M. drove to the village & to Pawtucket Heights.

Wea. FRIDAY 24 Ther.

A. M. clear & very warm.
P. M. cloudy & cold with strong N. E. wind and a succession of heavy thunder showers
C. & I took the dogs to walk just after breakfast, spent half-an-hour or more in the conservatory where I found a fine Bay breasted Warbler in full song in a balsam. Heard a black poll also. Never rest of A. M. after dinner I hitched for a drive but [illegible]

Naushon

Wea. SAT. MAY 25, 1901 Ther.

Cloudy with strong N. E. wind and light rain.

To Cambridge by 7.30 a. M. train reaching museum at 9.15. Spent two hours there & then went to Boston where I called at offices & did various shopping.
Took 3.03 P. M. train ("the Dude") for the Cape meeting Miss Edith & Mr. Harry Forbes in the parlor car. Waldo Forbes joined us at Plymouth. A cat boat met us at Woods Holl & we crossed to Naushon with a strong fair wind in a light rain. Dell a walk of about 3 miles before supper.

Wea. SUNDAY 26 Ther.

Sunny with strong, cool E. wind, Sky clouded over before sunset.
Breakfasted at 9 A. M. & at 10 started off in an open buggy with Mrs. Forbes, Miss Edith and Waldo. Drove to the extreme W. end of island along S. shore & back along N. shore. Saw very many birds & 6 or 7 deer. Reached home at 3.30 P. M. After dinner walked nearly to E. end of island, returning just before dark. Bushes in nearly full leaf. Oaks unfolding tiny leaves & birch with catkins. 5 Deer together in opening - Turkeys roosting in high oaks.

Naushon - Cambridge - Concord - Lancaster

Wea. MON. MAY 27, 1901 Ther.

Cloudy with misty rain in A.M. & heavy rain all P.M. Cold N.E. wind. Rose at 6 A.M. and half an hour later we all started for N.E. end of Naushon in two wagons. We crossed to Woods Hole in a large row boat and took the "Lark" train reaching Boston at 10 A.M. I went out to Cambridge & spent nearly 2 hours there. Then went to West Bedford. Dined at Cabin and walked to farm in P.M. in the pouring rain.

Wea. TUESDAY 28 Ther.

Cloudy with strong N.E. wind & misty rain in A.M., P.M. calm with clouds breaking away in W. at sunset.

In A.M. took Kate & Pat to the woods behind Birch Island where we cut down a number of oaks & poplars for window & door frames for the new farm house. Dined at the farm and took the 5.34 P.M. train for Lancaster.

Lancaster.

Wea. WED. MAY 29, 1901 Ther.

Cloudy with strong raw N.E. wind and fine misty rain.

C. & I took the dogs for a walk just after breakfast going up the road & over the bridge. Spent the remainder of the forenoon writing letters. Read about half of the afternoon from "Hetherick of Barnsdale" I also drove Sandy three or four miles.

Wea. THURSDAY 30 Ther.

Cloudy with misty rain & light N.E. wind in A.M. P.M. calm. Wind changed to S. at 8 P.M.

Took the dogs to the Cemetery this morning. Worked on Cambridge Birds through the forenoon. In P.M. drove over to the Thayers with C. Mr. Thayer was at B. Pond, Marion went on board ness. Thayer was stunned on her flower garden

Lancaster - Concord.

Wea. FRI. MAY 31, 1901 Ther.

Cloudy with long intervals of sunshine & fresh S. wind.
Took the days to the Cemetery & now on Cambridge Birds the rest of A. M.
In P. M. C. Miss Swasey & I drove to Chelmsford. On the way back we heard Bobolinks & I called at Chandler's greenhouse & bought a number of plants which I set out at the cottage on our return.

Wea. SAT. JUNE 1 Ther.

Densely cloudy with strong N. E. wind & dark exceedingly gloomy day.
Left Lancaster by 7.30 A. M. train. Got off at Concord & drove to the farm where I spent the forenoon.
The young rabbits had their eyes open.
Found a Hermit Thrush's nest in the big elm. The bird was sitting.
Dined at cabin. Just as I was finishing dinner Walter Deane arrived from Cambridge. He walked to the farm & back in P. M.

Concord - Cambridge - Lancaster.

Wea. SUN. JUNE 2, 1901 Ther.

Clear with light variable but chiefly easterly wind.
In A. M. Walter & I walked to Dakin's Hill & walked through to the farm.
Found lots of birds there most of them summer residents. The Hermit was sitting.
Found Oven Bird's nest with 5 eggs.
Dined at cabin. In P. M. walked to Berkshire woods & Pine Ridge.
Saw of Bay Breasted W. on Cotton. Heard alder - Yellow throat sings more early as A. M.
Walter left for Cambridge at 5.55 P. M.

Wea. MONDAY 3 Ther.

Clear with light W. wind.

Took 8.45 A. M. train for Cambridge where I met C. at our house. The electric wiring is nearly completed & the bath room well along.
We then went to 61 Sparks St. where we met Beaudry & Mr. Richards.
Breakfast at the Deanes & took the 5 P. M. train for Lancaster.
A f Maryland Yellow-throat in the garden.

Lancaster.

Wea. TUES. JUNE 4, 1901 Ther.

Clear and warmer.

Took the dogs to the Cemetery meadows after breakfast. Wrote on Cambridge bird the rest of a.m. In P.M. drove to Pounekin Hill where we took tea sitting in the wagon. A yellow wing sparrow singing in the grass field there, all the northern migrants gone. Saw about 50 chimney swifts early in the morning of the 29th. Lawn as wiry

Lancaster – Boston

Wea. THUR. JUNE 6, 1901 Ther.

Clear & oppressively warm with light S.W. wind.

The usual walk & usual writing in a.m. In P.M. drove with John Thorpe to Harvard to look for Hawk's nests in town & succeeded where he in woods. Shot a Cooper's Hawk from her nest but did not attempt to land one climber up to it as it was in the top of a very tall pine. Woods full of fringed polygala in full bloom. Saw Clethra also as bad as cold last year. Visited interesting colony of Dave Sherman. Counted 172 nests on one side of lane & 110 on other.

Wea. WEDNESDAY 5 Ther.

Clear & still warmer with S. wind.

Took the usual morning walk with the dogs & wrote the rest of a.m. In P.M. drove with C. Miss Swasey & Channing (and Stable boy) to the Greenway road where we found a quantity of pink azalea in full bloom growing among oaks & chestnuts on a hillside.

A Wood Pewee beginning her nest in an elm over our house.

Wea. FRIDAY 7 Ther.

Cloudy with violent S. wind and rain at evening.

C. started for Boston by 8.30 a.m. train. I exercised the dogs & spent forenoon writing. Took 3.15 train for Boston & called at Spalding's Office at 5:45 to talk over the Growth with Arnold about cutting very thin on Concord. At 6.15 met C. at Parkers. Wednesday Coppelia & I attended meeting of Botanical Club, 7.45 – 11 P.M. Supped at Parker's with C.

Cambridge - Concord

Wea. SAT. JUNE 8, 1901 Ther.

Brilliantly clear with strong cool N. W. wind.

Went out to Cambridge at 9 a.m. Spent forenoon in museum & gardens. Scotch roses, purple hawthorn, azaleas, columbines, & a few rhododendrons in bloom. Purple finch & yellow bird. Cuckoos singing.

To Appleton Chapel at 4 P.M. with C. & Elm Hodges to see Margaret Hodgman married - a pretty wedding. Took 5.01 train for W. Belfast & spent night at cabin. Mosquitos fearful.

Wea. SUNDAY 9 Ther.

Partly cloudy with violent N.W. wind & light showers at evening. Cool.

Spent most of day in cabin writing. Took sunset stroll. Walked in the woods on N. near the hill. The sunset this day was charming just after a shower & birds sang ecstatically more for half-an-hour or more. Henry Purdie & his brother Alfred with a young man from Florida called in P.M.

Concord - Lancaster.

Wea. MON. JUNE 10, 1901 Ther.

Brilliantly clear with strong N. W. wind.

Drove to farm just after breakfast & spent 2 hrs. there. The new house is nearly finished. The masons were are digging a well. Thermo on north & about flowers in garden. Met C. at W. Bed. Station at 11.11 a.m. We drived out cabin & walked to farm afterwards driving there to Concord & taking 5.34 train for Lancaster. Saw a pair of Quail on road from Holden Farm. A white-faced hawk near the cabin as day broke this morning.

Wea. TUESDAY 11 Ther.

Clear and rather cool with light W. wind.

Walked to Cemetery lawn with C. & the dogs at 9 a.m. and worked on the Cambridge Birds from 10 to 1.

In P.M. C. drove me to Clinton where I bought a flat-bottomed boat made by Mr. Wilder who is 80 years old. On the way back called at Elm Hodges. Heard a Bittern pumping in a meadow near the river. Saw 2 Martins at Clinton.

Lancaster

Wea. WED. JUNE 12, 1901 Ther.

Clear & warm with light W. wind.

Wrote from 10 to 1 as usual. At 1.30 John Thorpe & his climber & assistant Mr. Harriman called for me. We drove to an extensive woods of my last & Carey farms about 3 m. from home. Here Thorpe saw Black Bunting W. & Thrasher on his 10th. We heard 2 ♂♂ & saw one ♀ of the former this day. Wrote a close search for warbs but in vain. On our way back heard a Hermit & Wood Thrush & looked carefully for nests of D. virens. Started home Parties with young as big as mostly hatching chickens.

Lancaster – Concord.

Wea. FRI. JUNE 14, 1901 Ther.

A. M. Showery but hazy, P. M. cloudy

Spent A. M. writing. In P. M. took a drive with C. along the road to Harvard & back through the Pownalin woods. Took a pic nic tea with us & ate it sitting in the carriage in an opening in the woods. A Hermit Thrush was singing delightfully not far off.

Wea. THURSDAY 13 Ther.

Clear with light S. wind.

I went off again this afternoon with John Thorpe & Harriman. We first visited some Barred Owl where Prairie Warbler & Towhees breeded. Found one of farms new but empty, of Cotton with Young & Eggs. Went exploring Spruce Swamp. Hundreds of fine Black Spruces some 2 ft. through & 80 ft. high. Started young Gr. Horned Owl, almost on small Birds in other place. Found one Connecticut W. Reps to fine woods, where we went yesterday. Searched long but vainly for nests of Black-throated W. & heard singing in Spruce of 10 years. Started Hermit Thrush from nest in Spruce in swamp

Wea. SATURDAY 15 Ther.

Cloudy & cool with strong N. E. wind.

Left Lancaster by 7.30 A. M. train and reached the cabin shortly after 9. Walked to the farm and back twice – in the morning & afternoon. Also took a short walk after supper.

Concord

Wea. SUN. JUNE 16, 1901 Ther.

Cloudless & warmer.

Wea. MONDAY 17 Ther.

Concord – Wolfeboro.

Wea. TUES. JUNE 18, 1901 Ther.

Partly cloudy with a light shower in P.M. Almost no wind.

Left Concord at 7.09 & Boston at 9 A.M. in company with Estabrook & the Melvins. On reaching the Weirs we were met by Miss Ada Bond & Mrs. & Mrs. Mattingly. Lunched on board & reached Wolfeboro about 2 P.M. Trustees meeting 3–5 P.M. J. K. Bond & Judge Bell absent. Graduating exercises in Town hall in evening. The Melvins & I stopped at the Bonds.

Wea. WEDNESDAY 19 Ther.

Cloudless but hazy. Cool with light variable winds.

Spent forenoon on boat visiting the Trustees & teachers. Went to Center Harbor & back along south shore. Saw, at least by Gold Eagles two of which were adults. 2 P.M. Nat Brewster drove us up to the old farm. I walked over much of it & saw it blazing in honor & glory. Reception at Town hall in evening, very pretty & well managed. The Melvins & Cockshutts left by P.M. train.

Wolfeboro, Merrimac, Andover.

Wea. THUR. JUNE 20, 1901 Ther.

Clear and rather cool.

Beaudry & I left Wolfeboro by 8.30 a.m. train traveling together as far as Haverhill where I got off to go to Merrimac. Dined at Uncle Henry's & saw all my living relatives, Aunt Abby, Minnie, Clara, Warren, Lizzie & Charley.
Took 4 P.M. train to Andover to spend night at Beaudry's. Will & Edwin came down Grafton Street & Ada arrived before last train.

Wea. FRIDAY 21 Ther.

Partly cloudy. Cool.

Spent the day with the family. In A.M. walked with Will for an hour or two, then took a drive towards North Andover with Beaudry & Ada. In the evening called with Edwin & Will on Mr. Ford whom we found in his rooms at Phillips Academy. Also called on Constance Greenough but she had gone to the Class Day exercises in Cambridge.

Andover - Cambridge - Concord.

Wea. SAT. JUNE 22, 1901 Ther.

Heavy thunder shower at 8.30 a.m.

Left Andover by 8 a.m. train. On reaching Boston took a Fitchburg R.R. train out to Cambridge where I spent most of the day at the museum taking the 5.01 train from Arlington to Concord to stay on the cabin one Sunday.

Wea. SUNDAY 23 Ther.

Concord - Cambridge.

Wea. MON. JUNE 24, 1901 Ther.

Cloudy most of the day with light rain at intervals & one heavy shower at 1 P.M.
Took the 8.13 a.m. train for Cambridge. Met the Electric Light Co. room at our house at 10.30 a.m. to decide on location of entering wire. Went in the museum through most of P.M. Called on Mrs Dow Horn and the Alcotts in the evening. I have taken a room & board at the Hucklebys for one week.

Wea. TUESDAY 25 Ther.

Spent the day in the museum & garden writing letters &c.

Cambridge.

Wea. WED. JUNE 26, 1901 Ther.

Clear & intensely hot with light S. wind

At 8.30 a.m. Walter & I started off with Charley in the Deans' open buggy to investigate the summer birds of Cambridgeport. We drove through Pearson St. to Howard St., down Howard to Sumner, through Sumner to Cambridge, up Cambridge to Morgan, through Morgan & Harvard to Harvard, back past the High School to Kirkland thence to Linden's woods. Breakfast home at 11.30. Spent rest of day writing in museum.

Wea. THURSDAY 27 Ther. 97°

Clear & fearfully hot, with light S. W. wind

Rose at 6 a.m. and took a walk through the Joseph Coolidge farm & Cambridge Cemetery getting back to Breakfast. Worked all forenoon. In P.M. went with Walter to Newtonville by electric cars to see the nest of a Red-headed Woodpecker. Found both birds feeding young in stub near Cabot Park. Got back at 5 to meet Harry Spalding & Dr. C. K. Townsend. Showed them our garden & afterward dined & spent evening with them & Mrs. Spalding.

Cambridge – Concord.

Wea. FRI. JUNE 28, 1901 Ther. 80° 97°

Clear & excessively hot with light S. W. wind

Rose at 6.30 & spent an hour in museum & garden. After breakfast began work on long arrears of day. At 5 P.M. drove Old Charley to Mr. Anderson's. Coming home walked home

Spent an hour in the evening. Dined with Mary & George Deane at 6.30 P.M.

Wea. SATURDAY 29 Ther. 82° 97°

Clear and even more oppressive than yesterday.

Spent most of the day in the museum trying to write. At 4 P.M. started for Concord taking electrics of Lexington & going thence by train on which I found Waldo & Harry Forbes. There was a fine cool breeze at the Cottage & in the Bosquet windows to which we flocked often hoping it was almost chilly. At least 2 & I think 3 "Hickies" were seen feeding in Grant Meadows opposite Emerson's.

Concord – Lancaster.

Wea. SUN. JUNE 30, 1901 Ther.

Brilliantly clear with fresh W wind. A warm but not uncomfortable day.

In the forenoon took the Forbeses to the farm by way of Davis's Hill & Prescott's Pond. Birds singing finely & well. Heard a Dove & a Black-throated Warbler among others. In P.M. we went down river in the racing canoe. Waldo Forbes capsized just below Pad Island. I towed his canoe ashore while he swam alongside. After bailing out the water he hoisted sail again & we kept on. After supper paddled up river to the Hill.. A thunder cooling at 8 P.M. off Davis's Hill

Wea. MON. JULY 1 Ther.

Clear & intensely hot with little or no wind.

The Forbeses left by 8.13 A.M. train. At 9 A.M. I took electric car to Concord. Miss Bois Hosmer arrived from Cambridge at 9.47 & C. from Lancaster at 10.10. We drove to the farm & spent the rest of the forenoon discussing plans for altering the old house. Mr. Porter was also there. C. & Miss Hosmer drove back to Concord at 2.30 P.M. I followed later, called on Miss Porter & found C. at Hodgins' waiting to go to Lancaster with him by 5.34 train.

Lancaster.

Wea. TUES. JULY 2, 1901 Ther.

Clear & oppressively hot with light 91°
thunder showers followed by a cool breeze
at evening. C. and I
took the dogs to the barn after breakfast.
I wrote the remainder of a.m.
& much of P.M. after supper C. &
I walked to the post office & back
There were countless of fire flies
twinkling their tiny lights on the
grass fields along the roads.
Miss Forster is here. Her letters are
Misses Olivia, Swasey and [illegible].

Lancaster.

Wea. THUR. JULY 4, 1901 Ther.

Clear & a little cooler still warm. 76°
clouds gathering in late P.M., & light
rain a little before sunrise.

Spent the forenoon writing as
usual. C. went to sew in P.M.
There was a concert and drill of
fire crackers close about the house
Late of P.M. C., Miss Swasey & I
were driven to John Thayer's where
we had home fire works. Met
Boyard Thayer for the first time.

Wea. WEDNESDAY 3 Ther.

Clear & cooler but still very warm 85°

Spent a.m. writing. Took a drive
in P.M. with C. & Miss Swasey calling
at Chas Thayers. Saw Mrs. Thayer who
told me that her husband had taken
a Blackburnian Warbler's nest in
the pine woods where we looked for
one on June 12 & 13th.

Wea. FRIDAY 5 Ther.

Cloudy with S.E. wind & a few
light sprinkles of rain.
To Whalom Park with C. at 12 noon. Dined at cafe,
went around lake in launch, saw Boccacio at theater
in woods. A fine brook moose, a pair of Elk, some
Bear & a good Black Bear in the Zoo.
A Vireo solitarius & a D. coronata singing in white
pine woods in pasture near grounds. In woods about
open air theater Green birds, Redstarts, Vireos,
Redeyes & Pine Warblers singing & Red Squirrels
chattering.

Lancaster

Wea. SAT. JULY 6, 1901 Ther.

Cloudy with thunder shows at 8 a.m. & misty rain in P.M.

Spent forenoon writing. Gilbert arrived at noon to take "Hadji" to Cambridge. In afn P.M. C. & I took "Daisy" to Cemetery Farm & walked over the fields beyond. There was a soft hazy blue in the landscape. A bracing breeze & a good French dinner in the dining car. Buttercups & meadow daisies still in full bloom.

Wea. SUNDAY 7 Ther.

Cloudy most of the day. Suddenly with higher S. wind.

Went to the Unitarian Church with C. in A.M. to hear Dr. Bailey. He gave us a very old fashioned sermon, good of its kind but prosy. The church is beautiful the interior white with much delicate wood carving. Spent P.M. at John Hargens' going over his collection & talking Anarchy. C. came to us in the evening.

Concord.

Wea. MON. JULY 8, 1901 Ther.

Clear with fresh N.W. wind; a beautiful day. Comfort'ble, cool.

C. & I left Lancaster by 7.30 a.m. train. She is to spend the week at the Hargens' on Cambridge, I at the cabin at Bald Hill. On reaching Concord I drove about town to do some errands & then went to Sun for an urban Harvard was hanging. After spending half-an-hour there I reached the cabin at 10 a.m. Worked until dinner & for an hr. after. Burnt open woods. Hoeing & Holden's Hill at eve. Mosquitoes very severe.

Wea. TUESDAY 9 Ther.

Cloudy with N.E. wind and heavy rain in A.M.

Immediately after breakfast I started out with Karl to cut down pines for a new gate. We crossed the brook and found the trees we needed on Pine Ridge, but before we had cut them all it began to rain so heavily that we returned. I worked all the forenoon. In P.M. Trimmed the rolls about the cabin. At evening worked in Holden's field

Concord.

Wea. WED. JULY 10, 1901 Ther.

Clear and cooler warm
with light W. wind.

Spent most of the day
in the cabin writing but
just after breakfast went
with Karl to Pine Hill to cut
some pines for a new bulkhead
gone & on return worked down
along the river path to the
Bowlder meadows & around the
foot of Holden's Hill.

Wea. THURSDAY 11 Ther.

A. M. sunny & oppressively hot.
P. M. cloudy. Slight thunder
shower at 5 P.M. & heavy, steady
rain thereafter for an hour.
Worked all day on the Cambridge
Birds. The list is now nearly
completed.
Worked to Davis's Hill after
supper. It was raining heavily
and the woods were dark & gloomy.
Karl worked all day on shelves
etc. for the cabins.

Concord.

Wea. FRI. JULY 12, 1901 Ther.

A. M. cloudy & misty; P. M.
brilliantly clear. Strong E. wind.
Evening very cool.
Spent most of day writing in
my cabin. Hansen worked through
A. M. working a bed for farms
close to the fireplace between the old &
new cabins. Neither Pat nor Karl
worked but the latter brought the boat
down & I brought Carl Merrill on Clinton
down the river this morning.
I walked to Holden's Hill at 4.30 P.M.
& to Davis's Hill after supper.

Wea. SATURDAY 13 Ther.

Clear, calm, comfortably cool.

It was an ideal morning for photographing
& I was out with the 5 x 7 Henry Clay
camera from 8 to 10 A.M.
Wrote most of the remainder of the
day. At evening walked to Pine Park
where I pressed some of the young pines.
The mosquitoes are less troublesome now but
the deer flies are simply exasperating.
Karl & Pat worked all day about
the cabins.

Concord - Cambridge - Lancaster

Wea. SUN. JULY 14, 1901 Ther.

A brilliantly clear day which would have been uncomfortably warm but for the strong, refreshing west wind, which blows clothes into the water.

Spent the morning writing. At 2 P.M. a Mr. Swinnerton who is passing the summer at Porter's crossed the river to walk on a call. He is inventor & an exceptionally interesting man.

At evening I walked to Pine Ridge. There were almost no mosquitoes

Lancaster.

Wea. TUES. JULY 16, 1901 Ther.

Clear and even hotter than yesterday or at least more oppressive.

Walked through Cemetery Lane with C. & the dogs just after breakfast. Wrote thro. remainder of the forenoon.

Drove over to the Thayers' at 6 P.M. finding only Mrs. Thayer & the children at home. C. did not go because of a headache due on my return. We drove out on the road a little way & we had our tea in the buggy.

Wea. MONDAY 15 Ther.

Clear & hot with strong S.W. wind.

Left the Cabin at 9 A.M. and went to Cambridge by electric cars. Found C. at the house & walked at the Museum. Dined with Mrs. Abbey & the children.

Met C. at Porters at 5 P.M. & we went with her to Worcester. The cars were suffocatingly hot.

Wea. WEDNESDAY 17 Ther.

Cloudy most of the day. A simply terrific thunder storm 11-12 A.M. It cooled the air somewhat but the entire day was sultry & oppressive.

In P.M. C. and I drove around the Seven Bridges Road

Lancaster

Wea. THUR. JULY 18, 1901 Ther.

Clear & hot – one of the worst days this [illegible] summer.

Clear and warmer & in fact decidedly hot but with a delicious strong S.W. breeze blowing all day & late into the night.

Spent forenoon writing. Mr Pell had a long call from a Mr. who is boarding at Parker's. He is an inventor & very interesting & intelligent but evidently somewhat autobiographic. Walked at evening to Pine Ridge. Then were almost no mosquitos.

Went out C. P.M. Had a rude shock in P.M. Re-wrote down with C. along Lunenburg Road.

Wea. FRIDAY 19 Ther.

Clear with east wind. There was thunder showers out about us last evening but none passed on Lancaster.

To Cavendish down with C. & the dogs just after break fast. Spent remainder of forenoon writing.

Lancaster – Concord

Wea. SAT. JULY 20, 1901 Ther.

Clear with fresh W. wind.

To the river via Cavendish Farm with C. & the dogs at 9 a.m. We took the usual film cameras & exposed a number of plates. Wrote remainder of A.M. C. & I left Lancaster at 3.15 P.M. train she for Groton, I for Boxborough. Drove from Concord to the farm & spent an hour there before going to the cabin. After supper walked to Barrett meadows & Holden woods.

Wea. SUNDAY 21 Ther.

A.M. cloudy; P.M. clear. Light W. wind. An oppressively hot day.

At 9 a.m. Hansen drove me to the farm. After spending an hour there I worked both ways from woods by way of Davis's Hill. It was intensely hot & the dust flies were numerous & more annoying. Wrote letters in P.M. Two men & two women attempted to go in bathing at the cabin landing at 3 P.M. When I stopped them one of the women was almost naked. They came from Ford's Camp a Christian Science Home Camp [illegible] in Acworth [illegible] pitched camp [illegible] the night.

Concord - Boston - Cambridge Lancaster

Wea. MON. JULY 22, 1901 Ther.

Clear & hot with light W. wind.

Took 8.15 a.m. train for Boston. Went to Dr. Blake's office by appointment at 10.30 to have my left ear examined. It has troubled me much of late. Dr. B. says there is thickening of the drum. I cannot now hear distinct sounds with that ear but the right ear is as good as ever. Dined with Arthur Eddy at his club. We set out to Cambridge at 1 P.M. & spent 2 hours in Longfellow's garden. Took 5 P.M. train for Lancaster.

Wea. TUESDAY 23 Ther.

Clear & warm with light E. wind.

To the woods via Cemetery Lane with C. & the dogs just after breakfast. Walk from 10 a.m. to 4 P.M. I am working now on an article on the Little Black Rock for the Ledger.

At 4.30 started for Clinton in the Surrey with C. & Miss Swasey. We did some shopping & drove back by way of Bolton Flats.

Lancaster

Wea. WED. JULY 24, 1901 Ther.

Clear & warm with fresh S.W. wind.

The usual walk in the usual way at the usual time this morning. Spent remainder of day writing. C. & Miss Swasey drove out to the Heights in P.M. After supper C. & I went to the river bank where we saw the great flock of Swallows going to roost a short time ago. Only about a dozen, all Barn Swallows, returned to the roost this evening.

Wea. THURSDAY 25 Ther.

A.M. cloudy, P.M. clearing. Heavy rain all last night. Cool to-day.

C. not well to-day so I walked alone to Cemetery Lane this morning taking "Hadji". Just before dinner walked over the fields across the road from our house. Started at about 7 o'c & followed Bobolinks & heard several of them singing. Then large flocks of Crow Blackbirds flying eastward following one another at short intervals.

Spent most of day working on an article on the "Hacker" & G. A. R. Ed.

Lancaster — Concord.

Wea. FRI. JULY 26, 1901 Ther.

Clear and cool.

Took the usual work through Cemetery Lane with C. & then drove just after breakfast.
Rain the remainder of the forenoon.
In Cotta P.M. drove out along the Shirley Road.

Wea. SATURDAY 27 Ther.

Clear and cool.

After breakfast C. & I drove over to Bayard Thayer's place to see his lily pond. It was most beautiful & interesting with an island in the center of lotus foliage & flowers and plants of various kinds of Nymphaeas in full bloom about the margin.
Took 3.13 P.M. train to Concord where I drove to Ball's Hill.
Walked to Barrett meadow after supper.

Concord — Boston — Lancaster.
Cambridge

Wea. SUN. JULY 28, 1901 Ther.

Cloudy with several quick showers & a prolonged delay of rain beginning soon after midnight & lasting until nearly day-break and still raining.
Spent A.M. transplanting ferns from the woods on the north side of Ball's Hill to about the cabin. In P.M. drove to the farm where I spent an hour, afterwards walking slowly back through the woods. Mosquitos are almost gone & deer flies getting fewer. Mr. Hutchins & sons cooked while I was absent from cabin.

Wea. MONDAY 29 Ther.

Cloudy & cool with E. wind.

Took 8.13 A.M. train for Boston to keep an appointment at 10 A.M. at Dr. Blake's. He now says the hearing in my left ear will be almost wholly restored. Went to Cambridge at 11.30 dined at Harvard Square, spent P.M. wandering the outlet gorgeous on one place, & took 4 pass at Portsmouth at 5.06.
Pudie was on the train. He will spend rest of week with us. C. sets us with Brooks on Lancaster Sherbrook

Lancaster.

Wea. TUES. JULY 30, 1901 Ther.

Clear and oppressively sultry.

C., Miss Swasey, Miss Foster & I walked through Cemetery Lane after breakfast. I spent the remainder of a.m. writing. At 3 P.M. C., Miss Swasey, Pardee & I started for a drive. We went first to the big elm, through the green colony of Lane Sculptors on the Harvard road, home by the Devon Bridge road. Saw fully 50 acres of buckwheat in bloom on the intervale by the river.

Wea. WEDNESDAY 31 Ther.

A.M. hazy, P.M. cloudy. A calm sultry day. After breakfast C. Miss Swasey, Pardee & I drove to Bayard Thayer's lily pond. I wrote the remainder of forenoon. C. took 3.15 P.M. train to Groton to see Betsy. At 3 P.M. Pardee & I started for a drive in the buggy. Went up Shirley road, through wood roads to which form woods where the Blackburnians breed & where we heard a Hermit, a Solitary Vireo, & 2 Tanagers in full song. Also a Blackburnian singing fully. On way home found 2 Henslow's Sparrows singing in meadow on the Pomeroy farm & a Bittern in field of birds grass on Shirley road. Met C. at Brook at 6.30 P.M.

First hear cricket this evening

Lancaster.

Wea. THUR. AUG. 1, 1901 Ther.

Splendid change of weather this morning. Brilliantly clear & deliciously cool.

Just after breakfast Pardee & I drove over to John Thayer's during rain, Mrs. Thayer & the array.

I wrote through the forenoon as usual. With C., Miss Olivia, Miss Swasey, Miss Holman & Pardee took the 2 P.M. electric car for Whalom Park where we spent afternoon & evening. Saw Rip Van Winkle at the theater, the Zoo, took a trip around the pond in the Lowell, took tea on the piazza of the Cafe & got home at 9 P.M.

Wea. FRIDAY 2 Ther.

Clear & slightly warmer.

C. & I took Bobby to the river after breakfast - found 2 specimens of wild sunflowers growing along the lane. Meadow larks rising from the fields, a few singing.

Spent A.M. writing. Wrote letters in P.M. C. had a book boarder in P.M. Pardee went off alone in A.M. In P.M. he drove Miss Swasey & Miss Olivia to Clinton.

Lancaster

Wea. SAT. AUG. 3, 1901 Ther.

Hazy & sultry with light S. wind.

C. & I took Daisy to the river by way of Cemetery, Barn just after Breakfast.

Work during the remainder of A.M. & morn of P.M. At 5 P.M. Purdie & I walked through the Cow pasture the barn & across the fields beyond. Along the brook Cardinal flowers, Joe Pye weed, thoroughwort, meadow milkweed, meadow sweet &c. were blooming in great profusion. I have rarely if ever seen a more show of meadow flowers.

Wea. SUNDAY 4 Ther.

Cloudy with light, slowly rain at P.M.

Purdie & I took a drive in A.M. We went first through the worst road to Bolton station, next across to the road to Clinton, next to the Barn Location coming on the cross roads, homeward over the 7 Bridges road. Red eyed Vireos & Song Sparrows were singing as numerously & freely as in May. Also heard 2 Field Sparrows, 4 Indigo Birds, a Towhee, a Black-billed Cuckoo & 2 Wood Pewees, all in full song. Robins have nearly ceased singing even in day break. Chippies singing freely in our lawns but in May & little time

Lancaster -- Concord

Wea. MON. AUG. 5, 1901 Ther.

Clear and cool with N.W. wind.

C., Purdie & I left Lancaster by 7.30 A.M. train. C. went to Cambridge to spend the week at our house, Purdie & I to the Bobbs farm. We drove down from Concord. I found Pat & Jenny Flannery & Hart at work & spent the forenoon with them. In P.M. Purdie & I walked down the River to Pulpit Rock and through the Grey pasture. Birds of a few species singing freely.

Wea. TUESDAY 6 Ther.

Clear & warmer with clouds gathering at sunset.

I spent this whole day overseeing the men who finished a drain from the old barn cellar and made some beds for ferns & wild flowers above the barn. Purdie went off alone in A.M. towards Estabrook woods. After supper we walked to & around Dakin's Hill. It was a calm but sultry glowing evening.

Wea. WED. AUG. 7, 1901 Ther.

Cloudy most of day with a perfect deluge of rain in A. M. coming in a succession of showers. Clear in late P. M. Very cool & breezy.

Parker & I drove to Concord at 7.30. I took 8.05 train for Boston to meet C. at Jordan & Marsh's. We looked at a lot of things & at coming for graduation. Dined together at Parker's. I took 2.14 P. M. train back to Concord with branches & bows & some eagles on farm. He gave me a watch & valuable advice as to changes in house &c.

Wea. THURSDAY 8 Ther.

A. M. Brilliantly clear with cool N. W. wind. P. M. cloudy & hotter with thunder threatening in distance. Spent day with the men. We put up a lot of wire fence in Amfield in front of the house.

At evening walked to Birch Field. Birds sang finely to-day. A. Wood Peewee & a Junco in fresh continuous song. Red eyes singing frequently for a Cuckoo. Many Martins & Barn Swallows flying about. Lawrence left us at 7.45 this morning.

Wea. FRI. AUG. 9, 1901 Ther.

Brilliantly clear with hot sun but cool W. wind.

Spent most of the day with the men. The P. M. went for an hour and also cut a front path through the woods below the house to the grove of red pines. A Wood Peewee & a Junco sang nearly all day; a Redstart a little in the morning.

After supper walked to Davis's Hill. Saw a Dove in Green Field. A Junco in fresh song on Davis's Hill. Song & Sparrow singing. Great flock of Robins heard

Wea. SATURDAY 10 Ther.

Clear and warmer.

Spent A. M. mowing, with Pat's help, a wild garden just behind the old barn. In P. M. moved everything to the cabin. I walked down through the woods. Heard a Yellow-bill Cuckoo sing briskly & saw a Water Thrush on the river path. Near the W. Bedford Station a Bluebird was in nearly full song as I waited for my car. Took 5.34 P. M. train for Lancaster. Found C., E. R. S. & Mrs. Simmons at the house.

Lancaster.

Wea. SUN. AUG. 11, 1901 Ther.

Cloudy and rather cool.

C. & Miss Swaney went to church at Swinnerton in the forenoon. I spent most of the day in the house writing letters, & cleaning mail harness accumulated during my absence the past week. Tens birds are singing now but the grasshoppers & crickets are very noisy, especially at night. Katydids are noted to occur here but I have heard none as yet.

Wea. MONDAY 12 Ther.

Cloudy & cool.

C. & I took the usual walk through Cemetery Lane just after breakfast & on the late afternoon we drove to the village to do some errands. I spent the remainder of the day at my desk working on a final revision of the Cambridge Birds & writing some letters.

Lancaster.

Wea. TUES. AUG. 13, 1901 Ther.

Clear and warm with light W. wind

C. & I took Laddie through Cemetery Lane as the usual time this A.M. Spent the forenoon revising the MS. of my Cambridge Birds. In P.M. C., Mrs. Simmons & Irving drove me to the Thorgus' where they left me for an hour. I saw Mr. & Mrs. Thorgus & their children. The only birds heard singing in-day were Song Sparrows & a Wood Pewee.

Wea. WEDNESDAY 14 Ther.

Sunny but very hazy. Warm.

The usual routine, a walk through the lane after breakfast, at work revising the Cambridge Birds all the forenoon, letter writing & a drive with C. in P.M. At 4:30 P.M. all the people at the house came over to the cottage & I read my article on the Black Rail to them. Our drive was to Pounekin Hill where we had pic-nic tea

Lancaster.

Wea. THUR. AUG. 15, 1901 Ther.

Cloudy most of the day with a succession of lighter showers in P.M. very sultry.

Go to the river by way of Cemetery boat with C. & Dorey just after breakfast. Remained on the Bird Island from 10 A.M. to 1 P.M. At 2.30 P.M. drove over to the Thayers' where Mrs. Thayer was entertaining men. Spent about 2 hours selecting & marking out a place for a wild garden. Afterwards talked with John Thayer & Mrs. Thayer in the library. Fair Haven at 6.30 P.M.

Wea. FRIDAY 16 Ther.

Clear & warm with light S W wind.

Through Cemetery boat with C. & "Dorey" just after breakfast. Dorey drove Vavasour to take to Concord. Work all forenoon. In P.M. John Thayer called & drove me over to his place where we loitered about in the woods for nearly 2 hours looking for Cliff moved Lord for Mrs. Thayer's wild garden. Found a lot of extra fine. After leaving took electric car to village where I drug a lot of Rhexia. It was in a dry upland field

Lancaster – Cambridge – Concord.

Wea. SAT. AUG. 17, 1901 Ther.

A.M. clear; P.M. cloudy. Oppressively sultry.

Left Lancaster by 7.30 A.M. train and went directly to Cambridge. Spent forenoon at Museum Comp. Zool where I looked up some references & saw Taylor, Hersbord, Woodworth & Miss Parker. Dined at Harvard Square. Spent most of P.M. in our garden where I saw a Tanager building in the wood & a Water Thrush. Took 5.01 train from Arlington to Concord. Gilbert farmed us across the river. Walked to Holden woods after supper.

Wea. SUNDAY 18 Ther.

Clear & cool with light E. wind.

Went to the farm in A.M. to plant some Rhexia, Vavasour etc. Walked up & back.

In P.M. trimmed down of the pines on Hemlock Knoll. After supper walked to Bunyan's field. A good many small birds in the woods. A Redstart & 3 Wood Pewees in field Dory. Dory Sparrows & Red-eyes singing freely.

Concord – Lancaster

Wea. MON. AUG. 19, 1901 Ther.

A. M. Clear; P. M. Cloudy;
a cool E. wind.
C. came from Lancaster by early train
reaching the cabin about 9 A. M. She first
devoted an hour or more to Hedge who
was very ill last night. We then
walked through the woods behind the hill
after dinner we walked to the farm
by way of Davis's Hill. Long & his men
were at work stoning the new well.
C. & I took 5.34 train to Lancaster
meeting E. R. S. in the cars.

Wea. TUESDAY 20 Ther.

Clear & settling. Light showers
4 – 9 P. M.

After breakfast C. & I walked
to Pomeroy Bridge to King Barton
Worked on revising the Cambridge
Birds thus all the afternoon.
2 P. M. George Jefferson
called bringing three of his
children. I drove them to the
Thayers' where we found the lily pond
& Mr. & Mrs. John Thayer.

Lancaster.

Wea. WED. AUG. 21, 1901 Ther.

Cloudy & misty. Cool yet sultry.

C. & I took a new walk this morning
up past the Poor Farm, across to Pomeroy
bridge & back by the Bennington road. Saw a
large mixed flock of Swallows Birds by the river.
Worked on revision of Cambridge Birds thus
A. M. At 3.30 P. M. started for
Clinton with C., Irving, & Harris Surveyor.
The water garden in Clinton Park is very
beautiful now. Had Bands played on our way
back.

Wea. THURSDAY 22 Ther.

Clear & rather warm with light S. W. wind.

C. & I took Irving through Cemetery Bonne
just after Breakfast. Heard a Thrush
& Red-eyed Vireo in full song & a Swift
whistling bird – which all in the fields
by the river.
Spent rest of A. M. "revising".
At 4.30 P. M. started on a drive with
C., Mrs. Simmons & Miss Chase. Followed
the Shirley road to Brick Tavern & came
back by way of the poorhouse farm.

Lancaster – Concord

Wea. FRI. AUG. 23, 1901 Ther.

Partly cloudy. Sultry.

C. & I took boxing through. Cleaning house after breakfast. I spent the remainder of the forenoon working on the revision of the Cambridge Birds. It has gone slowly for I have to revise some of the biographies.
Wrote letters & took a drive in P.M.

Wea. SATURDAY 24 Ther.

A.M. clear & hot; P.M. cloudy & sultry. Rained steadily from 6 - 8 P.M., violently with thunder & lightning from 8 - 12 P.M. Heavily rest of night.
C. & I drove over to the Thorpes' at 9 A.M. seeing Mr. & Mrs. Thorpe. I finished revising Cambridge Birds in A.M.
C. & I took 3.15 P.M. train to Groton where we spent 2 hours with the Jefferson's. C. went back to Lancaster at 6; I took 6.14 train for Concord. Drove down to cabin as the rain. Found Melvin & Gilbert there. Melvin & I talked until midnight.

Concord – Boston – Lancaster.

Wea. SUN. AUG. 25, 1901 Ther.

A.M. cloudy; P.M. clear; a perfect sunset.

Melvin brought his automobile up last night. At 9.30 A.M. he got up Sharm & we started for a drive: went first to Farm; then through Concord to Nagog Pond. On the new State road we made 25 m. an hour for several miles. It was like flying & I enjoyed it greatly. Stopped at Farm on way back. Melvin left me at 4 P.M. I walked to Pine Point at evening. A Grasshopper Warbler sang freely at Sunset & a Yellow Bittern Cuckoo called at the farm. No other birds sang.

Wea. MONDAY 26 Ther.

A.M. cloudy & misty; P.M. sunny.

Spent A.M. with Pat & Hansen in Pine Park where we transplanted a number of wild ferns.
Left Cabin at 1.30 P.M. and went by electric car to Concord where I took 2.25 train for Boston. Arriving there took electric car for Bulfinch St. where I visited Hon. Seth. Hoo. & Sam Hadgi. He is still very ill with bronchitis. Went to Lancaster by 5.14 train. C. met me at Station. Lowell is ill with epizootic

Lancaster.

Wea. TUES. AUG. 27, 1901 Ther.

Clear, calm, warm at midday, cool at morning & evening.

C. & I went out about the entire a.m. with our cameras taking a lot of pictures. I used both the 5x7 & the little 3¼ x 4¼ folding Kodak. In the P.M. I strolled across the fields opposite the house to the river. At 6.15 300 Crow Blackbirds passed westward towards their roost in a single flock. The Robins begin singing to roost at 6.30. I counted 61. Wood Pewees singing all day long.

Wea. WEDNESDAY 28 Ther.

Clear, calm warm through the day, cool at morning & evening.

Spent a.m. writing.
At 3 P.M. drove out to the Thayers' with "Mary's horse". Mr. & Mrs. Thayer out. Returned & took C. out along the Shirley road to the Brick Tavern & back by way of the Pawtucket Turn. We visited just a few fifty plants in bloom.

Lancaster – Cambridge – Cohuit.

Wea. THUR. AUG. 29, 1901 Ther.

Clear & cool.

C. & E. R.S. went to Cambridge by 7.30 a.m. train. I had a slight illness and spent the day in the house writing a lot of letters. John Thayer called on P.M. to consult with me about Fisher's collection of bird skins which he has almost decided to buy.

Wea. FRIDAY 30 Ther.

Clear & rather cool.

Took 7.30 a.m. train for Cambridge. Met C., Leander & Mr. Richards at 61 Sparks St. He has turned it into an apartment house & it is just completed. Two of the tenants are already rented for September 1. Went in town at 11.30. Dined at Parker's & called on Appleton. Met C. at South Union station. We took 3.38 train for W. Somerville. Along, Charles Hayward & Miss Lois Hoyt on train. Along down we went to Cohuit Hollows which we reached just before dark.

Cotuit

Wea. SAT. AUG. 31, 1901 Ther.

Partly cloudy – cool – wind S.E.

After breakfast Alvey took me out sailing in the bay. With C. we also walked around his place of 32 acres. Started a Partridge & heard a Meadowlark singing. In P.M. C., Mrs. Alvey, Alvey & I drove to Osterville & beyond. Stopped at the Baxters' & saw the Captain, Mrs B. Miss Fanny & Miss Minnie. They were giving a fine wine feast for the benefit of the Town Library. Got home at 7 P.M.

Wea. SUN. SEPT. 1 Ther.

Cloudy with light rain 10 A.M. to 5 P.M.

After breakfast Alvey & I rowed C. over to Baxter's Point. The Captain with no three & together we tramped all over his 100 acres. He asks $12,000 for the land which is varied & beautiful. Blazing star & gorden asters abundant. Saw several Green Herons, an Osprey & an Eagle. Terns flying over the water & Cotuit.
Spent P.M. in house writing & looking. C. & I walked along Pine Neck road at 6 P.M.

Cotuit – Boston – Lancaster

Wea. MON. SEPT. 2, 1901 Ther.

Clearing – warmer.

C. & I left Cotuit at 9 & West Barnstable at 10.30 A.M. The drive to Hatchville very pleasant. Reached Boston at 1.30, dined in Hatchville & took 2.20 P.M. train for Clinton reaching Lancaster at 4 P.M. Wrote a few letters & then walked across the fields opposite the house. A few Swifts flying about.

Wea. TUESDAY 3 Ther.

A.M. clear; P.M. cloudy. Cool. wind E. With C. took buggy to walk in A.M. through Cemetery house. Wrote letters & worked a little on Comb. Birds. In late P.M. walked alone to the meadows behind the Cemetery. The Crow Blackbirds crossed it at 5.40–5.45 in four flocks of about 125, 75, 50 & 50 birds. Their roost is in some dense maple woods on E. side of meadow. Robins began flying at 6.10 P.M. Only about 40 or 50 passed over the meadow. Some alighted in maple swamp at its edge, others in woods on other side of road where I have been them going before. These birds seem to have two roosts, with 15 or 20 birds about 2 miles apart.

Lancaster - Bethel

Wea. WED. SEPT. 4, 1901 Ther.

Clear and warm.

C. & I took early train through Crawford Cam. just after breakfast. I walked on Cambridge Beds remainder of A. M. At 3 P.M. C. & I drove over to the Hodges' living Mrs. Hodges. We then drove to the Blacksmiths & paid his bill. At 6:30 P.M. we walked through Crawford Barn to the great fields beyond. The Crow Blackbirds came to their roost in these fields. It is in two groups. I saw robins, Swamp Sparrows, Crow Birds & Red wings also roost in the woods nearby.

Hadley died, to-day at Mex., Me., Nov. in Boston of pneumonia following with heart trouble

Wea. THURSDAY 5 Ther.

Clear & very warm.

C. drove me over to Canton where I took 8.36 A.M. train for Portland. It was a tedious journey, hot & dusty over a rough road with many, small stations. Scenery mountainous & wonderful. Reached Portland at 1.15. Drove across city in a hack & caught 1.30 train bring a couple of Lewiston & home bananas for lunch. Reached Bethel at 4.30. The fishers all the way from Danville to West Paris look as if drenched by fog. There about Bethel are only slightly. It stood it in the woods of an inch

Bethel.

Wea. FRI. SEPT. 6, 1901 Ther.

60°
86°

Clear & warm. Calm all day.

Spent A.M. in house writing letters & correcting proof of article on the "Kicki" for Auk. In P.M. the Doctor & I went to the Glen woods. They were more beautiful. Red Squirrels & Canada Nuthatches much more numerous than they were last winter. Saw large mixed flock with many warblers. But we identified only D. maculosa & D. coronata. Titmice, Blue Jays, Chickadees, Kinglets, & a Hairy bird. Heard a Partridge drum.
At 8 P.M. news reached us of President McKinley's assassination this P.M. at Buffalo. He is still living.

Wea. SATURDAY 7 Ther.

Clear & very warm with light S. to W. wind

Spent A.M. in house writing &c.
In P.M. the Doctor & I drove over to Songo Pond, left the horse in the woods, and taking a heavy, flat bottomed boat rowed to the outlet where we spent about 2 hours fishing. We used birch poles which we had cut in the woods & worms for bait. The fish bit well & we caught about 2 doz. large sized perch besides bream, horn pouts & a chub & a pickerel. It is 25 years since I have had such an afternoon & I fully enjoyed it

Lake Umbagog.

Wea.	SUN. SEPT. 8, 1901	Ther.
Bitterly		46°
Clear & cold with strong N. wind.		69°

At 9 a.m. the Doctor, George & I started for the Lake in an open surrey drawn by a pair of fine horses driven by Amasa Lovejoy. We lunched at Screw Auger Falls, visited Moose Cave (my first visit) took 8 photographs & reached Bellevue at 4 P.M. Saw three flocks of Bluebirds, 2 large flocks of Chippies, 3 or 4 Grass Finches, 2 or 3 Thrushes, a few Robins. Walked to Pearly Whites farm in late P.M. The Lake & mountains at their very loveliest in the clear, soft light. Saw a fine Hawk & a Heron.

Saw a fine Black Woodpecker

Wea.	MONDAY 9	Ther.
		42°
Sunny, smoky, warmer.		74°

At 8 a.m. started up Lake in the Alvischor, landed at Middle Id. where I saw Jim Burns & Aldena Brooks. Then visited Pine Point where we spent an hour with Bothrop & Hathaway. Bothrop has been living at the camp since June. Everything there unchanged but down from the horn blown down. Heard a Red eye, Winter Wren & Yellow rumps. Took steamer to Errol. Kingfisher numerous, then Tree Swallows, a Heron. No birds. Drove from Errol to Bellevue where we dined. Started for Bellevue at 2.30 & reached the house at 7. The mountains observed by dense smoke from forest fires

Wea.	TUES. SEPT. 10, 1901	Ther.
Clear, warm, wind S.W.		

Spent a.m. writing.
In P.M. the Doctor & I picked out a path through the woods below the house cutting it out to a good width much of the way. It starts in where we sent out a snow shoe trail last winter; Saw a few Warblers, apparently Black-holls, & Chickadees.

Wea.	WEDNESDAY 11	Ther.
Cloudy most of the day with frequent showers.		

Left Bethel by 8.45 train. Dined at Portland & reached Boston at 4 P.M. Left 4.59 P.M. train for Lawrence. Expected C. to get on in Cambridge, but she did not do so. On reaching Lawrence found our Cottage locked up Lela being in Cambridge. Spent evening reading.
"Dando" was taken seriously ill on Saturday but he is better & coming with us - day.

Wea. THUR. SEPT. 12, 1901 Ther.

Partly cloudy with frequent showers.

Wrote letters in a. m. went to Stoneham to meet noon train but only Ida came. Went again at 6.30 & got C.
Dando had a bad chill this A. M. & is very ill in night.

Wea. FRIDAY 13 Ther.

Sunny most of day with heavy showers in P. M.
C. Miss Swasey & I spent the day at the Fair at Cleveland. It was very interesting. Saw the milk-white horses, King & Queen, drive twice. They seemed nervous & fell rather than drew. The trotting & pacing races were very good.
Joe Cowen for us in P. M. & we drove back at 5 in a close carriage.
Dando was better. President McKinley died this afternoon

Wea. SAT. SEPT. 14, 1901 Ther.

Clear, warm, calm.

President McKinley died at 2.15 a. m. at Buffalo. The news reached us just before breakfast. C. also had a letter bringing news that Annie Mary is very ill. I drove over to the Hoyts in a. m. & saw John Hoyt for about 10 minutes. He is doing splendidly & will be out in a week. C. & I left Stoneham by 1.25 train Dined in Arlington. Then take train she for Cambridge, I for Concord. I drove to Carlisle, walked to Barrett's Mountain in Carlisle P. M.

Wea. SUNDAY 15 Ther.

Cloudy with showers. Sultry. Wind S. W.

Spent a. m. working on a wood road which I began last month & which starts the hemlock plantation on Pine Ridge. In P. M. walked to the farm where I saw Mr. Long. On the way back cut out a foot path from the spring to the ridge below.
A great Horned Owl flew nearly over me as I was crossing the causeway beyond Bensons on the evening landscape

Wea. MON. SEPT. 16, 1901 Ther.

Brilliantly clear with fresh W. wind.

Took the 8.15 train for Cambridge. Called on the Thorpes' where I saw Lessing & her mother. C. had gone to Boston, Kept wheel to our house. Found Walter & Pardon at Museum. Pardon killed a rattlesnake with 10 rattles on Bunker Hill yesterday. Went in town at 11.30. Dined at Tillman's. Saw Roland. Called on Upton. Bought an umbrella. Spent an hour at Keith's. Took 4.47 train for N Bedford. Walked to Holden Hill after dark

Wea. TUESDAY 17 Ther.

Clear in a.m. P.M. cloudy with violent thunder shower at 4.30. Spent most of a.m. at Barrett Meadow with Pat & Hanson, putting in posts for a hay stack. Crossed river with Gilbert at height of shower & took 5 P.M. electric for Concord where I boarded 5.34 train for Lancaster. C. met me at station. "Dando" has been gaining for several days but is still weak.

Wea. WED. SEPT. 18, 1901 Ther.

Clear & cooler.

"Dando" worse this morning. Her Clinton doctor came to see him & C & I visited him at frequent intervals. I spent much of day writing letters. In Coin P.M. went to post office by electric & walked back with C. Just as we neared the house Mr. Lyler met us with telephone message to spend Thanksgiving with Harwood. C. & I drove over to Clinton & took 8.14 P.M. train to Boston. Spent night at Victoria Hotel.

Wea. THURSDAY 19 Ther.

Clear & warm

After breakfast C. & I went to Harwood. Aunt Mary had rallied but Dr. Townsend considered it only temporary. I spent a.m. with Roland & lunched at the Cunninghams'. After lunch went to Cambridge. Took 5.06 P.M. train for Lancaster C. remaining in Cambridge. Found Dando very ill

Wea. FRI. SEPT. 20, 1901 Ther.

Clear & warmer.

"Dando" still worse this morning. The Clinton veterinary wishes to have Dr. Howard of Boston called in consultation to-morrow. Dr. P. drove over to see John Hayes but he was too tired to see me. At 5 P.M. telephoned C. about Dando. She told me that Aunt Mary died at 2.15 this afternoon

Wea. SATURDAY 21 Ther.

Clear & warm

Dr. Howard came at noon. He says the chances are against Dando's recovery. The good horse will never eat nor drink more. I left Lancaster by 3.15 train for Cambridge. C. had opened one house & we spent the night there. The garden is very beautiful & still with asters & goldenrod not in bloom

Wea. SUN. SEPT. 22, 1901 Ther.

Clear & warm.

C. went to early church. I spent most of A. M. in museum & garden. After dinner I went in town & called on Mr. Haywards. Roland was at Milton but I saw Mary & Harry. Spent evening at Mr. Hayes' with C., Harry, & Mrs. Simmons.

Wea. MONDAY 23 Ther.

Clear and warm.

Aunt Mary Hayward's funeral at 1.30 P.M. Frank Manning and I were pall bearers. I called at his office at 9.30, at 35 Congress at 10. Breakfast at Parker's. We met again at the Haywards at 12.30. About 60 people attended the funeral. After it I took George & Betty Hitchcock to Hotel Victoria to dine. After that he & I visited Athletic Club. C. went to Forest Hills with family.

Wea. TUES. SEPT. 24, 1901 Ther.

Clear & warm with light S. W. wind.

George Hallett, Gilbert & I took the 8.34 train for W. Bedford. Dined at Cabin and soon after dinner drove George to the farm. Hannah drove him to Concord while I walked back to the cabin & returned to Concord by 4.24 train. Saw a Winter Wren in the woods at foot of Holden's Hill.

Wea. WEDNESDAY 25 Ther.

Clear & warm with light S. W. wind.

Spent A. M. in Boston where I called at Dr. Rand's Office & made an appointment for to-morrow.

Wea. THUR. SEPT. 26, 1901 Ther.

Clear & warm with light S. W. wind.

Went in town at 9.30 & had two teeth filled by Dr. Rand. After that called on Harry Sheldon and on Lois Hosmer at their offices. Got home at 12.30. Found a Mourning Warbler in the Garden. Spent P. M. at Great Meadow E. Bedford with Walter Deane & Son. Hannah looking for Mole Crickets. Heard Sweed but could find none. Saw a Black Duck, a Blue w. Teal, a Snipe, 4 Chimney Swifts & a big flight of Robins going to a roost about 1/4 mile W. of the meadow.

Wea. FRIDAY 27 Ther.

Clear & warm with light S. W. wind.

Spent A. M. in garden. Mourning Warbler still there. After watching him for some time shot him with collecting pistol.

In P. M. Walter & I drove around Walden Pond with Charley. There were no warblers found but we flushed two Spotted Sandpipers from the rocky shore. After our return I shot big Rats in the Garden with the collecting pistol.

Wea. SAT. SEPT. 28, 1901 Ther.

Clear & warm.

Left Cambridge at 9.30 a.m. & took 10.49 B. & A. train for Berkshire. Train crowded & hot. No place to breakfast, no stop for food, but I had a lunch with me. Reached Pittsfield at 2.45 & took 3.20 train for Stockbridge where Dan. & Mat met me at the station. His new house is positively finished. I found Miss Annie French & a Mrs. Johnson there visiting the family. Dan & I took a walk in the woods before supper.

Wea. SUNDAY 29 Ther.

Cloudy with occasional showers of fine rain. Oppressively sultry. Spent a.m. with Dan in the studio & in the woods just beyond the flower garden. In P.M. rambled through the beautiful pine woods across the road & visited the Knight farm which is for sale. Saw 4 Black Ducks flying high over the valley. A flock of about 25 Chimney Swifts circling about all day. At evening 7 of them went to roost in Studio chimney. Started Bevisel Partridges. A Phoebe in full song in early morning.

Wea. MON. SEPT. 30, 1901 Ther.

Partly cloudy – warm – light W. wind.

Just after breakfast Dan & I went over the Knight farm again. It is a delightful place & the price is low. I wish C. could see it.

At 10 a.m. Dan drove me to Glendale & left me at Stockbridge. Train 2 hours late. I walked down the track & all about the station. Finally got off. Met Mrs. Cory at Pittsfield and rode with her as far as Worcester. Charles Cory Jr. was with her – a fine boy twelve years old 12 or 13. Reached home at about 6 P.M. Half the hundred hens are with us yet.

Wea. TUES. OCT. 1 Ther.

Clear. Warm at noon, cool at evening & eve.

C. & I took our old walk with Daisy through Cemetery barn, in the forenoon. Counted 15 pheasants in bloom. Saw after breakfast Sparrow, Nuthatches & 1 Nuthatch and do. There was a chirping frog here last week. In P.M. drove over to see John Sharpe. Found him up & out of doors but weak. Saw a number of Pheasants, Blackbirds etc. After returning walked across the fields with our boys & dug a lot of Rhizoma roots to take to Concord.

Wea. WED. OCT. 2, 1901 Ther.

Partly cloudy; warm; heavy rain 8-10 P.M.

Left Lancaster at 7.30 for Concord. Drove down to Ball's Hill. Spent remainder of day working in woods on Pine Ridge with Pat & Hansen. We finished cutting out a wood road which I began last August & hauled out all the brush. The autumn coloring is fine along the river, but in its first stage still. Several birds rather numerous

Wea. THURSDAY 3 Ther.

Early morning cloudy & rainy. Rest of day clear & warm.

Spent A.M. with Hansen cutting out the rain path between Barrett's House & the Barrett Meadows. In P.M. Pat Hansen & I ploughed a road through Pine Park. Sunset clear & beautiful. Black Polls numerous still. Saw a Cat Bird & a ♂ Marsh Hawk. Jennings fished 8 or 10 shots, on the Swope grounds. An immense Blackbird roost at Brown Dam Lexington. The birds fell in just after their calls thru would [illegible] judging by 200 Robins & over 50 Bronzed Grackles.

Concord Lancaster.

Wea. FRI. OCT. 4, 1901 Ther.

Brilliantly clear with N.W. wind. Cool at morning & evening, warm at noonday

Spent entire day with Hansen & Edward Mc. Grath (who began working for us to-day) in Pine Park working on the roadway which we are making there. At 5 P.M. paddled up to Brown Dam Lexington to investigate the Blackbird roost. Saw about 300 birds come in. A "Drifter" swimming in the river off the cabin this morning. 8 Black Ducks passed S. at 5 P.M. A Great Horned Owl hooting on Holden's Hill at sunset

Wea. SATURDAY 5 Ther.

Clear & cool with light N.W. wind.

Left Cabin at 7.20 took 7.50 electric to Concord & 8.35 train from Concord to Blandford, thence by electric to Lancaster. Found C. & E.R.S. in the cottage. Took up 25 roses to C. for this 25th anniversary of our first meeting. We took a drive with Dandy along the Shirley road by Lunenburg & after lunch a walk through Cemetery Road. I returned to Concord by 3.15 train. George V. Barrett came up on 5.25 train to pass Sunday. Flowers & Gourmet steak by Raymond Sutherin

Wea. SUN. OCT. 6, 1901 Ther.

A. M. cloudy with showers. Clearing in P. M. with a gorgeous sunset. Chilly. In A. M. Mr. Burrell & I walked to Beach Island. In P. M. we walked to the farm & back. At sunset we went to Broom Dam Rapids to see the Blackbirds go to roost. Which at Beach Isl. this season we saw a flock of 5-4 Black Ducks circling over the meadows. I'm now passed up cows at evening. Mr. Burrell & I sat up until 11.30 P. M. talking.

Wea. MONDAY 7 Ther.

Clear with light N. W. wind. Warm. Aluminum dome white in last night.

Spent day at farm working up at 9 A. M. & took part before supper Irving with two men digging & drilling rocks all day. Harrison & one new man (Edward McGrath) carted grave to the cemetery across the river. A great flight of Jacob Birds. Saw a Connecticut Warbler & a Sapsucker on the farm.

Wea. TUES. OCT. 8, 1901 Ther.

Brilliantly clear. Water froze again this morning but the day was delightfully warm. At morning the crickets were in full cry again & a few mosquitos about.

Spent day on farm working up at 8.30 A. M. & took a few hours it. Irving & two men blasting rocks. Harrison, Mr. Grath, Irving ---- (a new man) & I went out to Cove from the house to the pasture. Also a short cart with Edward Emerson & Sarah Anna & Johnny Cotton at 11 A. M. Mr. Emerson wishes me to go with Cx. to Monadnock to-morrow & stay overnight.

Wea. WEDNESDAY 9 Ther.

A. M. partly cloudy; P. M. clear. Warmer.

Left cabin at 7.30 went to Concord by electric car & took 8.35 train for Clinton. Mr. & Mrs. Emerson in car on their way to Monadnock. Took electric at Clinton for Bancroft. Spent two hours with Cx. The dear man. At 12.20 train by which I went to Cambridge. Spent night at our house (Gertrude with me) talking very much at the Hawes Klubs. Went to Aunt. meeting of Academy at Mr. Agassiz's in evening (8-11 o'clock). About 50 members present. Address by Mr. A. on Coral Reefs etc.

Wea. THUR. OCT. 10, 1901 Ther.

Clear & very warm with light S. W. wind.

Took 8.34 a. m. train for W. Bedford. Gilbert followed on horse later. Met Mr. Porter by appointment at cabin. Then walked to farm & dressed. Then hoeing pulling up wall along cow lane. The elms were grading etc. The maple foliage is at its best to-day and exceedingly brilliant especially along lane meadows & behind Benson's.

Red maple leaves were at their height of brilliancy

Wea. FRIDAY 11 Ther.

Early morning foggy; remainder of day cloudless & very warm with almost no wind.

At 8 a. m. I started down river in the open canoe. Landing at Birch Island I walked to the farm where I spent the day with the men. Lowry worked on the new wall along the cow lane & began the foundations for the hen house. He also began digging a well in the meadow W. of the house. My men spent the day grading & levelling gravel down the lane.

The red maples reached the highest perfection of their autumn colouring to-day

Wea. SAT. OCT. 12, 1901 Ther.

Morning densely foggy: more of a. m. cloudy, p. m. sunny but hazy. Cooler with light E. wind.

Walked to the farm at 8.30 following the wood the whole way as the woods were dripping wet. Spent forenoon with the men. Lowry was working on foundations of hen house, two of his men were digging a well in the meadow, Hansen & two men grading, Lowry ploughing. C. arrived at 2 p. m. driving down alone from Concord. At 4 p. m. I drove here built to the Harbor & later went to Ball's Hill in an electric car over West Bedford.

Maple foliage at its brilliant best

Wea. SUNDAY 13 Ther.

Cloudy & very warm with strong S. W. wind and fine mist like rain at intervals. After breakfast walked in the woods behind Ball's Hill for half-an-hour. Wrote letters all the forenoon. At 2 p. m. Gilbert, Hansen & I started off in the democrat wagon drawn by Harvey. We drove up past the Stock Farm & beyond Tarbox Hill on the road to Westford. Got a box of farm sweet apples there & on way back from Brooks's a number of ebony Spleenwort leaves Lycopodium flabellum & thunderus & many red maple leaves

Wea. MON. OCT. 14, 1901 Ther.

Cloudy with light N.E. wind and continuous, heavy rain from early morning to about 7 P.M.

Spent the day at the farm walking both ways. Saw very few birds a "Dipper" in the river opposite the cabin in the early morning, a Hermit near Pulpit Rock, a good-sized flock of Robins on Pine Ridge & another on the farm being the most noteworthy. Most of the men came this morning. They worked at various things in doors.

Wea. TUESDAY 15 Ther.

Brilliantly clear with cool N W wind

Spent day at farm walking both ways. Parker & his men began on a hen house east of the barn. Long & his men began foundation for a new building between the barn & hen house. They men worked cheerfully at grading. Birds were apparently scarce to day. I saw only a few

C. telephoned this evening that her good gray horse "Dandy" dropped dead in Chicago this afternoon as she was driving him

Wea. WED. OCT. 16, 1901 Ther.

Brilliantly clear with light S.W. wind just pleasantly warm with dry breeze on.

Spent day at farm. The carpenters nearly finished the hen house, long just in foundation for new cottage house, Hanover & We. Growth hoeing grand & clean. I planted a lot of Rhexia in the meadows I went & returned by canoe as far as Davis's Hill. Red shouldered Hawks were screaming opposite cabin for 2 hours this morning. Song & Swamp Sparrows singing on car.

Wea. THURSDAY 17 Ther.

A.M. clear & warm. P.M. cloudy with light rain. Wind S.W.

Took 8.13 A.M. train for Cambridge where I met Mrs. MacIlwraith by appointment together in court over the house just taken by Mrs. Fogler & decided certain changes etc. Spent remainder of A.M. with Walter. Went to Mrs. Comp. Lect at 3 P.M. & called on Fogler. Attended meeting Mr. Conn at 3.30. Present Dr. Folsom, Dudley Pickman & Mr. Woodworth. The U.S. Drive club met at Jackson's at 7.30. Present Jackson, Jeffries, Bottomley, Rand, Hartt, Forrest, Goodale, Dearn, Spelman.

Concord — Lancaster

Wea. FRI. OCT. 18, 1901 Ther.

Clear & cold with strong N. W. wind.

Took 8.54 a.m. Fitchburg train for Concord at 10.10 C., Miss Colvin, Miss Swazey, Miss Austin, & Miss Hewson arrived from Lancaster. We drove about town for an hour or more to see the sights & then went to Boyle's Hill where we all dined at the cabin. After dinner walked to the farm where the Cousins drove back to town. I walked back to cabin. Raymond Emerson arrived at 7 P.M. & I spent the evening with him.

Wea. SATURDAY 19 Ther.

30° 8 P.M.

Clear. Morning cold with raging N. W. wind. At 10 a.m. the wind shifted considerably to S. W. & the weather became at once decidedly warm again. Raymond got off at Concord & returned to Greenfield. He found a flock of Snow Birds. We walked he C. on with us. Saw one of the birds he found at Black Island.

I spent afternoon at the farm.

Gilbert & I left Concord by 5.34 P.M. train for Lancaster where we both spent the night

Lancaster — Concord

Wea. SUN. OCT. 20, 1901 Ther.

Cloudless with light S. W. wind. Warm through the middle of the day.

In A.M. Gilbert & I packed up all my things to go back to Cambridge. C. went back to Worcester & Gem on Wednesday. At 11.30 A.M. C. & I walked across the meadows opposite the house to the big elm by the river. Bluebirds calling. In P.M. John Thorger drove me over to the farm near Chickadee Pond to see old Sister Gray, & to the Shirley Shakers. Saw a fellow Polin Worden & at least 100 D. crowds

Wea. MONDAY 21 Ther.

Clear and rather warm with light S. W. wind.

With John Thorger left Lancaster by 7.30 A.M. train. On reaching Concord we took a carriage & drove about town visiting the Emersons & the Mayos & driving up our Moshawtuck Hill. Reached the cabin at 11 & dined there at 12. Spent P.M. in the woods going over nearly new wheat grounds. Saw lots of Junco birds. Spent the evening talking.

Wea. TUES. OCT. 22, 1901 Ther.

Clear & warm with S. W. wind
Tree & Black Crickets chirping in late P.M.
Spent day on farm. Made a
new wind frame for door in the
wood behind the barn. Dug foundat
the chimney walls & began laying the
old wall behind the barn. Porter
& his men finished up from a new
carriage house & partly roofed & boarded it
John Thayer went back to Somerset
this morning.

Wea. WEDNESDAY 23 Ther.

Clear with fresh S. W. wind. Almost
uncomfortably warm. Butterflies hovering on
the fields & Tree Crickets chirping everywhere
through the evening.
Spent day at farm working up &
back. Porter's men shingled carriage house,
hung finished walls between old & new
barns. I worked with Hanson, Pat
& Mr. Gratz finishing the wall goodness
among the walls behind the old barn.
It was delightful weather & I enjoyed
the walks up & back exceedingly.

Wea. THUR. OCT. 24, 1901 Ther.

Partly cloudy. Cooler with strong N. W. wind

Spent day at or near Ball's Hill. Porter
& his men working at the Cabin, making
storm doors & the frame for a new window.
Pat, Hanson, Mr. Gratz & I prepared a
bed for mountain laurels in the spring
behind the hill. We also finished the
battery bed in Pine Park & cut down a
number of trees. Edna & Bainia spent the
day with Gelbert. Birds rather scarce. Saw
4 black ducks at evening.

Wea. FRIDAY 25 Ther.

Cloudless with strong cold N. W. wind.

Spent most of day at or near Cabins
helping Porter & his three men who
were making storm doors & shutters &
putting up the brick back in the new
cabin. Late in P.M. walked to the
farm where Bang & four men were building
a stone wall around the cow pasture.
Walter Deane came up at noon to consult
me about trouble with Mrs. Bates at
Col Sparks Street.

Concord – Cambridge – Boston, Concord

Wea. SAT. OCT. 26, 1901 Ther.

Cloudless with fresh W. wind.
Cold last night, the ground frozen hard & the boat could skimmed over early this morning. Middle of day warm. Raymond Emerson spent the night at the cabin. I took 8.13 train for Cambridge where I saw C. & E. R. S. Whitcomb were shingling our house. Went in town at 11 & saw Mackintire. Took 1.47 P.M. train back to W. Bedford. My men began carting sand to Davis Hill culvert to day.

Wea. SUNDAY 27 Ther.

Early morning clear with sky & river of tendrest blue. Clouds began to gather by 10 a.m. & the afternoon was cloudy & rather gloomy. Very mild day with light S.W. & W. wind. In a.m. walked to Davis's Hill. Spent upwards of three hours planning & laying out a roadway over Pine Ridge.
In P.M. walked to Holden's Hill. Gilbert & I tried were walking around a number of locust trees to keep off Rabbits. Many brown birds about

Concord – Cambridge – Boston – Concord

Wea. MON. OCT. 28, 1901 Ther.

Brilliantly clear with light easterly winds a simply perfect Autumn day, warm at noon, frosty at morning & evening.
Spent entire day superintending Patty Hanson, Burton & Mr. Gratton who worked on the roadway over Pine Ridge carting most of the stone to Davis Hill culvert. Parker & his men worked on the cabins. The woods were alive with Chickadees, Golden-crests & Juncos; I also saw a few Yellow-rumps & a Shrike, the latter a very brown bird on Pine Ridge.

Wea. TUESDAY 29 Ther.

Clear & mild with light S.E. wind. Water froze last night & there was a heavy white frost covering the meadows this morning.
Took 8.13 train for Cambridge. Saw C. Walter, & George Deane at museum. Went in town at 11. Arranged with Leander & Mackintire about taking charge of my houses &c. Had an interview with Olney & Spelman & told them of the changed arrangement which they took pleasantly. Lunched at Fallon's & took 4.47 train back to Concord.

Wea. WED. OCT. 30, 1901 Ther.

Cloudless with light S.W. wind.
Early morning foggy with heavy hoar frost.
Middle of day hot & warm with
yellow butterflies flying about in the
grass fields.

Spent a.m. with Hanson, Burden, Pat
& Mac. Gratta working on the road
over Pine Ridge. After dinner walked
to Tarion where Parker & Doug were
working. Doug has built a stone wall
around three sides of the new pasture.
Saw flock of 11 Swan on Pine Ridge. They
came under stone fence & crouched in a hollow
then flew a short distance.

Wea. THURSDAY 31 Ther.

Precisely like that of yesterday save
that the early morning was without
either fog or frost.

Spent day on Pine Ridge working
on the roadway with three men.
Parker & 2 men working in the
cabins putting up shelves etc.
Doug began work on the stone
stable which I have decided to complete.
There was a good many Juncos about
& I saw 2 flocks of Sparrows. Heard a
Swamp robin on Pine Ridge.

Wea. FRI. NOV. 1, 1901 Ther.

Cloudy most of day with S.W. wind.
Showers in late P.M. Very windy.

Spent most of the day on Davis's Hill
where we cut down or cipher fences
about 12 inches in diameter at the
western end of the hill. They were
evidently burned by the fire from seven
years ago. I also cut down some
trees for the new stable near
the cabins.

Wea. SATURDAY 2 Ther.

Clear & cool with strong N.W. wind.

Went to Davis's Hill again this
morning and cut down more of the
burned fence for the stable on
which Parker's men worked all day.
Found a drunken man lying asleep
on the slope of the Hill. He had built
a small fire against the trunk of an oak.
He gave his name as Pat Halloran
of 30 Marion St. Lowell. We let him
go after threatening to prosecute him.
Roland Hargrave arrived at 5.30 to pass
the night on the cabin.

Wea. SUN. NOV. 3, 1901 Ther.

Brilliantly clear with strong, cold N.W. wind.

In A.M. Roland & I went to Hoskins's Hill. I also had an interview with Benson about a little strip of land bordering his field. He asks 50. & I offered 30. for it. Matter left undecided. While crossing Pine Park Roland & I flushed a bevy of 13 Lerwick.
In P.M. we walked to the farm & back.

Wea. MONDAY 4 Ther.

A.M. cloudy; P.M. clear.

Carry and Mary Greenough arrived at 10.30 A.M. We walked to the farm & down back to dinner at cousin. C. drove to Concord with Mary & Hanson at 3 P.M. returning to spend the night with me at the farm. We rowed down on the evening. My autumn work at Bolls Hill is finished. The new Platt Barn was raised in & completed this afternoon.

Wea. TUES. NOV. 5, 1901 Ther.

A.M. clear; P.M. cloudy. Mild.

C. & I spent most of A.M. walking about on or near the farm, at first along the road past Lawrence's, later in the woods where the red pines grow. We saw hardhead & yarrow in bloom. A few yellow buttercups still flying about. At 3 P.M. Hanson drove C. & me to Concord. We picked up E. R. S. at Meriam. She & C. went to Cambridge at 4 P.M. & I returned alone to farm.

Wea. WEDNESDAY 6 Ther.

Clear & cooler with strong N. wind.

Working with the men all day. Gray finished the walls around the pasture at noon & began to move the wall W. of the house to the edge of the driveway. Porter has about finished the cow barn but it lies too low & I have decided to raise it 2 feet to-morrow. I got into the woods for half an hour at sunset. Several birds very tame now. The autumn rain yesterday seems to have forced them.

Finished work at Hill

Mr. Sidney & handyman

Wea. THUR. NOV. 7, 1901 Ther.

Brilliantly clear with light N. wind. Warm.

Spent entire day with the men. Long & Parker roofed the cow barn in A. M. In P. M. Long finished nailing the wall W. of the house. At night I paid Parker orders have finished here for this year. Pat, Hannon & Mr. Groth worked at various odd jobs. In A. M. I went into the woods with Hannon [illegible] to lay out the road as that is what he said he did this morning.

Wea. FRIDAY 8 Ther.

Sunny but hazy. Mild.

Spent A. M. superintending work at farm putting away things for winter etc. Long working on foundation walls of cow barn.

After dinner walked to cabin with Long. He will begin carrying a wall across the Pine Park Cut next week.

Took 4.24 train for Cambridge with Gilbert & Harry. Spent night at our house in writing C. Everything in [illegible] there [illegible].

Wea. SAT. NOV. 9, 1901 Ther.

Clear in A. M. P. M. partly cloudy with light showers at evening. J. L. Brewster & Mr. Moulton in camp by museum on 9 A. M. Mr Collard for about an hour about my business affairs. Spent rest of day packing writing letters etc.

Wea. SUNDAY 10 Ther.

Brilliantly clear with strong N. W. wind. —

With Walter & Margie Dean took 1.03 train for New York. C. went with us as far as Providence. We lunched at Trinity Court. Café. Beyon. Sterling. Scenery at its best with everything gathered in. Strong pure light. Swamps blazing with black alder berries. Reached New York at 7 P. M. & went to Murray Hill. Found Ruth Dean already there. Fay & Nelson arrived later.

Wea. MON. NOV. 11, 1901 Ther.

A. M. sunny; P. M. raining.

Council met at Dutcher's at 10.30 a.m. Allen, Merriam, Nelson, R. Deane, Dwight, Batchelder, Chapman, Sage, Fisher & Dutcher. Lunch served at 3 P.M. very pretty with lots of flowers. At 6 P.M. Chapman, Fisher, Nelson R. Deane & I went to dine at a restaurant. Business meeting of Union in Ann. Museum 8.30 to 10.30 R. W. Shufeldt there.

Wea. TUESDAY 12 Ther.

Cloudy with drizzling rain.

Went to museum at 10 a.m. to attend Council meeting. Worked for an hour on list of names for members. Union meeting 12-1 & 2-4.30. Some very good papers & addresses by Dwight, Fiske, Otis Bates, Judge Clark & others. Dined at the Allens' at 6.30. Merriam, Mearns, & Prof. Bumpus there. Also Cleveland Allen (now 23 years of age) Also Walter & Morgan Deane.

Wea. WED. NOV. 13, 1901 Ther.

Partly cloudy with strong cold N. W. wind.

Council meeting at 9.30. Finished with the list of members, 58 names being selected. Papers in A. M. Lantern slides in P. M. Miss Merriam, Burroughs and Fiske were out to Englewood in P. M. & spent night at Chapman's. A jolly evening with singing by Fiske & Chapman.

Wea. THURSDAY 14 Ther.

Cloudy & cold.

We all went into town at 9 a.m. Meeting of delegates of Audubon Society 10-12.30. A plan for a permanent organization (national in character) adopted after long discussion in which I took some part. Pleasant lunch of A. O. U. members. Nelson & I went to the afternoon meeting & had a long talk in Allen's room about practically everything. Very report on Bird Conservation. Dined at Dwight's. Council meeting at Museum & P. M.

New York . Cambridge . Concord

Wea. FRI. NOV. 15, 1901 Ther.

Clear & cool with light W. wind.

Returned to Boston above by 10 A. M. train. The scenery very soft & beautiful in its late autumn tints. A little snow in back yards in Cambridge. Noon train on foot full during the point would in northern Mass. Spent evening reading aloud with C.

Wea. SATURDAY 16 Ther.

A. M. clear; P. M. cloudy. Cool.

Went to Boston at 10.30 & had a long talk with Beaver & Mackintosh at the Office. Beaver is getting very fine areas with good trees. Took 1.47 P. M. train for Concord. Gilbert went on at W. Bedford Station. After changing my clothes at cabin went to Pine Peak. Long had nearly finished the new walk thru long he has had the carbon point of it on the wooded peak.

Concord -

Wea. SUN. NOV. 17, 1901 Ther.

Clear with light W. wind. Ground frozen slightly at sunrise. Mild day rather warm. At daybreak the call of a jay the only bird note heard. Later heard Pine Grosbeak & Red Crossbills. Saw Chickadees, Kinglets, Tree Sparrows, a Shrike, a Creeper and a Cat bird. The Cat appeared here on the 13th & has been here nearly every day since at or near cabin. It is a vigorous-looking bird & flies sturdily. Spent A. M. digging marginal fires with Hansen & Gilbert on knoll below Burton's barn. Set them going in P. M. along road which is edge of Pine Ridge & near cabin.

Wea. MONDAY 18 Ther.

Clear with almost no wind. Mild.

Spent most of A. M. on Pine Ridge. Hansen cut down a large Gosling pine to furnish boughs for covering plants in Cambridge garden. Long finished the walks about Burton's field near Pine Peak. Saw a Flicker, a Sharp-shinned Hawk, & 2 Jays. Heard a Robin on P. M. Gilbert closed the cabins for the winter. Left Concord on train 4.24 P. M. for Cambridge.

Wea. TUES. NOV. 19, 1901 Ther.

Cloudy with snow, blue & very rain. The trees & vines looking as dry & dead.

Spent day in museum. Mackintosh appeared at 9 A.M. & I went over in Porter's house with him discussing repairs & alterations. J. L. Brewer arrived at 2 P.M. and stayed for an hour.

Wea. WEDNESDAY 20 Ther.

Clearing & cooler. Ground whitened with snow again this morning.
Spent A.M. writing letters. Rutherford Deane hunted with me and spent the afternoon looking over birds & books. He brought Dr. Brewer's album containing some interesting old photos of ornithologists which Elliott will copy.

Wea. THUR. NOV. 21, 1901 Ther.

Clear & mild with light W. wind.

Spent most of A.M. sorting out his Pigeons. My flock has increased to 204 birds. Of them I shall retain about 90, take 25 to Concord & kill the rest.
In P.M. C. & I went to Tusk Pond taking the Horse car up & walking back. Noticed from Hemlock Grove pass fresh tracks to S.W. end of Pond. 5-7 Black Ducks, a Mallard drake & 5-4 Gulls in the Pond. In Grove Blue Heron alighted on a meadow on edge of frozen pool on W. side of Pond.

Wea. FRIDAY 22 Ther.

Clear & mild with light S.W. wind 40° at noon.

Began removing my aviary on Birds Bower Cold & worked at it all afternoon.
In P.M. went to Waverley by electric with C. & strolled through the Woods & around the wide ponds. Air mild & still. Heard a few Sparrows, a party from Auburn & Crows calling in the distance. Did not see a bird of any kind except a few of House Sparrows.

Wea. SAT. NOV. 23, 1901 Ther.

Cloudy with light snow in a.m. melting as it strikes the ground; a raw disagreeable day.
Sitting carefully, Colaptes (!) seen in Garden
read Sacred Circle looking out of hole in box
Spent a.m. working on revision of Bonne Cola. Birds.
In P.M. walked down along the river, through Longfellow Park to the Thayers' with C. Yale-Harvard football match in progress on Soldiers' Field. Many cheering - colored (crimson & blue) balloons floating high up. Harvard won. Mrs. Thayer, Rachel called with fancy things to sell at 6 P.M. I declined them. C. & I read aloud in evening

Wea. SUNDAY 24 Ther.

Heavy north-easter with a full gale of wind and floods of rain.

To St. John's Church with C. at 8.30.
Spent remainder of a.m. in Museum writing letters & Bird notes.
Alice & Will Stone dined with us & spent most of P.M. Lois came up as usual at 5 P.M. Her mother is gaining slowly but is still unable to sit up.
The rain has freshened everything & the city lawns are as green as in May.

Wea. MON. NOV. 25, 1901 Ther.

Cloudy with light drizzle of rain. Wind shifted to N. in P.M.
Spent a.m. working on revision of Bonne Cola. report.
Went to Mus. Comp. Zool. in P.M.
Had a talk with Husband. He over footbaled very Bonne Cola. paper if I wish it.
Spent about an hour with Miss Parker looking over Birds & eggs that are to be catalogued. Drove down & walked home. Heyerdahl tells me that a 3d Cardinal appeared at his place last Thursday & has been there ever since.

Wea. TUESDAY 26 Ther.

Sunny but hazy & bitterly cold with high N.W. wind. Ground powdered with snow again this morning.
Chickadees & Kinglets heard in the Garden.
Spent a.m. on Bonne Cola. Birds.
In P.M. went to Waverley with C. by electric cars, had a long walk in the beautiful & wholly unspoiled old woods on the Asylum grounds, spent nearly an hour in Edgar's greenhouses selecting plants. Saw no birds.
J. Henry Thayer, our neighbor, tenant & friend, died at 2 a.m. to-day. He has been failing ever since last summer.

Wea. WED. NOV. 27, 1901 Ther.

Clear with high N.W. wind 22°

Spent A.M. working on Brown Colm. Birds
Hansen arrived with a load of pine boughs
& assist at noon.
I worked for another hour after dinner
and then took a walk down up through
Highland Street to Elmwood. The afternoon
was cold & windy. I saw no birds.
Grey Squirrels drawn through Cambridge
this afternoon.

Wea. THURSDAY 28 Ther.

Thanksgiving Day.

Clear and cold with strong N.W. wind 16°
Cyrilla 1 Regulus ~~Sitta~~ 1 Bird in Garden
Immediately after breakfast called on
Parker and spent upwards of two hours
discussing the repairs & additions which
he wishes made to his house 63 Sparks St.
C. & I read aloud from the Oldtimers
during the remainder of the forenoon
Beaman Alda & Will Brewster, Mrs. Burnett
and Henry Purdie dined with us at 2 P.M.
It was nearly 6 P.M. when the last of them
(Mrs. Burnett) departed. C. & I read until 9 P.M.
when I called on the Alvords.

Wea. FRI. NOV. 29, 1901 Ther.

Cloudy, calm, intensely chilly. 12°

Spent A.M. working on Brown Colm. Birds.
Hansen brought down the Cow & heifer
at 1 P.M. They are to spend the winter
in George Deane's barn.
C. & I attended the funeral of our friend
J. Henry Thorpe at Appleton Chapel at
2 P.M. The chapel was nearly filled.
Mr. Frank Peabody made a fine address
& Dr. Mr. Thomas made the prayer, as Cory
formerly our Christmas in Gardner, Sewall
Dole working there at 6 P.M.

Wea. SATURDAY 30 Ther.

22°

Clear, calm, warmer 30°

Walked to Mr. Auburn & back with C.
just after breakfast. Worked remainder
of A.M. & part of P.M. on Brown Colm. Birds.
Mrs. Robinson lunched with us.
Mrs. Bartwell called on P.M. to get
the two nests & sets of eggs of Western Eve.
Grosbeak which they left a few weeks ago
for use to Jas. Gilbert Stone day at Concord
no birds in Garden to-day
To Dramatic Club with Mr. Burnett in the evening.

Wea. SUN. DEC. 1, 1901 Ther.

32°

Brilliantly clear with light S. W. wind. 46°

Crows cawing in Garden at sunrise.

Certhia (3) (2), Sitta can (1), Regulus satrapa (2) at
Melospiza fasciata 1, Corvus (3) Turkey Hill, Ar.
Junco hy (2)

With C. took electric to Arlington at 11 a.m. and had a good tramp through the pine wood on Turkey Hill. The air was delicously soft, the light & coloring such yet subdued. Saw only one Squirrel & a Red. Woods perfectly natural in places with green ribbon for a white frame. Whole bottoms in P.M.

Wea. MONDAY 2 Ther.

32°

Cloudy with S.W. wind & rising temperature 48°

Spent a.m. working on Lower Cola. Birds. P.M. at Mus. Comp. Zool. working out duplicates & broken eggs from Bryant Collection. C. walked down with me as far as Tollman St. I came back in Somers's coupé.
Nuttall Club met this evening; 10 members present. Election of officers – Paper by Arthur Bent

Zon. albicollis (2) adult birds in the Garden.

Wea. TUES. DEC. 3, 1901 Ther.

North easter with strong wind and rain changing to sleet & finally to snow in P.M.

Regulus satrapa (2), Parus (2) on suet } All in
Colaptes 1, Corvus heard } the Garden.

Spent a.m. working on Lower Cola. Birds. In P.M. C. & I walked to the Botanic Garden where we spent an hour in the greenhouses. A good many flowers among them Chrysanthemums.

Wea. WEDNESDAY 4 Ther.

Clear and cold with high N.W. winds. 24°

About 6 inches of icy snow fell during last night & yesterday P.M., & there was good sleighing this morning. After spending three hours working on Lower Cola. Birds I went in town in noon. Called at Offer & saw Brewster. Met C. at Porter's at 2.15. We came out together stopping at Robinson's to look at chairs. Soon after reaching home Dr. Fleming appeared to spend the night. Will Stone came out & dined. We then spent a pleasant evening together.

Wea. THUR. DEC. 5, 1901 Ther.

Clear & cold with light N.W. wind. 12°

1 Crow flying over the Garden.
Dr. Gehring left us at 8 a.m. I drove to Porters with him. Spent a.m. working on Bowen Coln. Rep. C. & I walked to Mt. Auburn afternoon lunch visiting Dee's greenhouses. There is a new foreman there & everything is now in fine order. Mr. Bond of Portland, Oregon called at 4 P.M. He is writing a book on Birds of Oregon. C. & I spent evening reading the "Octopus"

Wea. FRIDAY 6 Ther. 6°

Brilliantly clear with crisp, dry air.

Wrote on Bowen Coln. report for 9 & 10 A.M. when I went in town to attend the annual meeting of Fruit & Grain Club at 9 Tremont St. Called at Office & dined with Brewster on Tremont St. Met C. at Dr Wolfe & Pirie's at 2.30 P. Selected a lot of books. Afternoon visited Dunton's freshman team. Dined at Athletic Club at 7 P.M. & attended meeting of Entomol. Club at 8 & 11 P.M.

Wea. SAT. DEC. 7, 1901 Ther. 16° 24°

Partly cloudy, cold, calm

Chickadee - one in Garden
Hermit Thrush. a bird injured in some way and able only to flutter feebly along just above the ground. Caught by one dog in Mt. Auburn
Brown Creeper. one in Mt. Auburn.
Spent a.m. & part of P.M. working on Bowen Coln. Report. After lunch walked with C. to Elmwood & along Coolidge Avenue to the Cambridge Cemetery.

Wea. SUNDAY 8 Ther.

Sunny but hazy. Rather mild. The snow which came on the wind remains, clean & crisp & the sleighing is simply perfect.
To church with C. at 8.30. Afterwards called at the Thorpes. Wrote letters most of a.m. In P.M. C. & I called on the Bateses, Bishops & Miss Howard & Windsor at 6 1 Sparrow & no birds in the garden to-day.

Wea. MON. DEC. 9, 1901 Ther.

40°
48°

Clear, calm, mild, The snow washing rapidly.

(Impeles Cedrorum (11) feeding on berries) In the
of Mt. ash, nightshade & Jap. honeysuckle) Garden
Certhia f. americana - one - Craigie St.
Colaptes auratus one - Chauncy St

Wrote on Boston Cola. Rep. in a. m.
Spent P. M. at Mus. Comp. Zool. picking out duplicate Hlvs. Saw. Farlow, Hershow & O. Bangs.

Wea. TUESDAY 10 Ther.

Cloudy, mild but chilly. Heavy rain last night taking off most of the snow
Spent a. m. working on Boston Cola Rep.
Went in town at noon, called at office where I saw MacMillan, lunched with Mrs. & Outram Bangs and spent the whole afternoon looking over the latter's superb collection of Central Am birds.
C. read the Octopus to me in the evening.

Wea. WED. DEC. 11, 1901 Ther.

Clear and mild, with almost no wind
Brewer's ~~Warbler~~ Seen off Harwood Br. by Nichols & Bowditch
Spent a. m. in usual way. working on Boston Cola. Report. There is very much to do yet in the bring it up to date.
In P. M. attended meeting Dreadnos Audubon Society at Mrs. Cabot's. Present Mrs. Cabot, Mrs. Bolles, Miss Hall, Miss Richards, Allen, Hoffmann, Dowell and Hodges.
C. read the Octopus to me in the evening.

Wea. THURSDAY 12 Ther.

Clear, mild, calm.

Ampelis cedrorum, small flock The Garden
Corvus ossifragus. 3 or 4 carrion at dump (Brewer's Warbler. One seen off Harwood Br. by Nichols & Bowditch)
Spent a. m. on Boston Cola. Report.
Also worked on it for an hour after dinner.
At 4 P. M. started for a holiday walk.
Went up Highland St., down Fayerweather St. & up Broadway St. to Fresh Pond, back through Huron Avenue. The Pond seemed to be open in places. I saw the Gulls going there this morning.

Cambridge – Concord

Wea. FRI. DEC. 13, 1901 Ther.

40°

Cloudy with fine drizzling rain 47°

Spent entire day working on Bowen Cata Report. I am recapturing birds worn & cleaned with the Mussulets B. hyphoxanthus & Crassirostris yesterday & to-day.

At 6 P.M. started out alone for a walk. Went down Brattle Street to Harvard Sq. & returned down river. Dense fog & everything dripping with moisture. John T. Nichols (son of my old friend) & Bowditch called this evening. Margaret Manning came out to go to a party & to spend the night with us.

Wea. SATURDAY 14 Ther.

50°

A.M. sunny; P.M. cloudy with 63°
violent S.W. wind. Snow completely gone.
Chickadees heard in the Garden.

Miss Swaney & Margaret Manning left this morning. I spent A.M. at my usual work. Mr. Lord called at 3.30 P.M. to show me illustrations for his Birds of Oregon. Gilbert went to Concord at 2 P.M. & I followed by 5.01 train. Walked to Lillie's stable & rode down thence to the farm. The night was dark & wild with a gale blowing from the S.W.

Concord – Cambridge.

Wea. SUN. DEC. 15, 1901 Ther.

S.W. gale in A.M. with showers of rain & mild temperature. Wind veered to N.W. at 2 P.M. & the rain blackened. & the air became much colder.

Parus atri. (2) Ball's Hill, (6) Davis H., had at farmhouse
Regulus sat. Heard on Pine Ridge & in Prescott's pines
Spizella monl. (12) Ball's H. Sw. (1) Benson's asparagus
Dryobates pub. 1 seen at Ball's H. by Gilbert.
Bonasa um. (4) (1) Ball's H., (2) Prescott's p. (2) Beech Field.

Spent A.M. in farm house writing letters. In P.M. walked to Ball's Hill with Hansen returning alone via Davis's Hill. The woods were dark & gloomy. The snow on the meadows & almost wholly free from snow. No. Snow left even in woods

Wea. MONDAY 16 Ther.

10°

Brilliantly clear with raging N.W. wind 20°

Rose at daybreak & drove to Concord in one of Lillie's teams. Took 8.05 train for Cambridge with Ned Bartlett & Geo. Hayes. Spent A.M. working on Bowen Cata. birds, P.M. at Mus. Comp. Zool. working out duplicates. Walked to & from Museum C. going down with me as far as the Common. Roland Hayward & Nancy & Mary C. dined with us at 6.30. Worked working in the evening

Wea. TUES. DEC. 17, 1901 Ther.

12°
20°

Snow storm lasting all day but only 2 inches of fine dry snow falling.

Spent entire day in Museum working on Brown Coln. Rep. Gilbert came to Arlington to get down young pines. In the woods on Walking Hill he found a man who had hanged himself to the branch of an apple tree by his suspenders & who had been dead a week or more. He expected this at Arlington before Christmas & was detained by the officials for several hours talking over the body. C. came to me in the evening.

Wea. WEDNESDAY 18 Ther.

12°
24°

Cloudless with no wind this day & soft.

Ampelis (6) Bradley St. eating buckthornberries

Spent A. M. & latter part of P. M. working on Brown Coln. Rep.; walked up Bradley St. to Elmwood just after lunch.

Merula migratoria - a flock of 25 and numerous small flocks & scattered birds, in all probably 50 birds seen by Roland Hayward near Blue Hill, Milton.

Wea. THUR. DEC. 19, 1901 Ther.

10°
20°

Cloudy with a mere dust of fine snow falling in the evening.

Spent most of day working on the Brown Coln. paper but walked down to the Thayers' just after lunch. C. confined to the house by a severe cold. I also have a bad cough.

The W. Dixie Club met at our house this evening. Everyone present except Chadbourne. They left in a body at 11 P. M.

Wea. FRIDAY 20 Ther.

10°
24°

Clear with sharp but still air.

Spent entire day in Museum working on the Brown Coln. paper. My cough was so troublesome that I did not take my usual walk. Went Gilbert to Boston to do some Christmas shopping.

Birds are very scarce. I have seen nothing but English Sparrows in the Jamaica Pond region for four days past. There was a Crow in Hubbard Pond early this morning. Roland Hayward counted at 5 P. M.

Wea. SAT. DEC. 21, 1901 Ther. 10°

Clear, calm, dry, sharp air. 24°

Spent most of day in museum working on Boone Coln. Rep.
Walked to Elmwood just after lunch. The Port Com. men were cutting down a number of dead or dying elms there, there - mostly pines which are dying fast. Heard a chickadee on the pines - the only bird voice to - day.
Miss Howard & Mrs Wagoner received with me. We heard a woodpecker & kept up stov.

Wea. SUNDAY 22 Ther. 4°

Cloudless, calm, cold. 22°

Corvus am. One in our Cin elms, 3 or 4 up Brattle St.
Parus atricap. - Heard on Reservoir St.

C. & I walked up Highland St. & to Elmwood at 10 a.m.
Walter & Margie Deane dined with us.
I spent most of day in Museum writing letters.

Wea. MON. DEC. 23, 1901 Ther. 20°

Cloudy - calm - warmer 32°

Spent most of day in Museum reviving the Boone Coln. paper.
C. & I took a short walk just after lunch seeing a Brown Creeper in the big cottonwood on Sparks St.
The dust of snow which fell on the 17th & 19th still whitens the ground but there is no sleighing.

Wea. TUESDAY, 24 Ther. 34°

Cloudy. calm - mild. 40°

Spent most of day in Museum working on my Boone Coln. Rep. & getting off Christmas presents.
In late P.M. took car to Harvard Sq. where I had my hair cut. Walked back. My cough was troublesome all day.

Wea. WED. DEC. 25, 1901 Ther.

Cloudy & mild but chilly with fine drizzling rain. A gloomy day.

Downy Woodpecker. one seen by Walter in Garden

Woke this morning feeling ill & miserable. Spent whole A.M. in bed sleeping. Sat up with my children on most of P.M. We finally opened our Christmas presents. C. was with me nearly all day missing dinner at Tom Hodgens

Wea. THURSDAY 26 Ther.

Sunny, hazy, calm, mild 40°

Downy Woodpecker. ♂ & ♀ visited suet in elm.

Spent A.M. in house sleeping most of time. Just after lunch went a walk up Sparks St., through Highland St. to Appleton St. & back through Brookside. My cough is slightly better.

Wea. FRI. DEC. 27, 1901 Ther.

Cloudy with fine drizzling rain changing to snow in P.M. A cheerless day.

Downy Woodpecker. Seen in elm.

Spent entire day in house. C. read to me nearly all the time. My cough bad again.

Wea. SATURDAY 28 Ther.

32°

Early morning sunny. Began raining 40
in late P.M. changing to snow at evening.

Golden-crest Kinglet. heard in the Garden.

Just after breakfast walked to Elmwood. Spent A.M. in Museum working on Lowell Coll. Rep.
In P.M. Lowry came up and we opened our Christmas presents.

Wea. SUN. DEC. 29, 1901 Ther.

40°
47

Cloudy with steady rain. About 2 inches of snow fell last night. To-day the streets were deep in slush. It was the worst kind of worst day.

2 Chickadees at suet near Museum.

Spent a. m. writing letters.
Alice & Will Storm dined with us & stayed until 4.30 P. M.
My cough [illegible]

Wea. TUES. DEC. 31, 1901 Ther.

28°
40°

Clear cooler, high N. W. wind

Solitary Tree Sparrow in the Garden

Just after breakfast walked down to the Rogers' with C. Spent remainder of day in Museum writing on Brown Coal. Report. I finished a second revise of it and shall send it to Nelson this week.

Mr. Almy called in P. M. also Pat F. to whom I advanced my dollars to Mr. Almy.

C. had a headache this eve. & I went in.

Wea. MONDAY 30 Ther.

40°
43°

Dismal beyond description with lowering sky, then fog & steady rain. Very heavy rain last night. Snow wholly gone, lawns slightly green.

Downy Woodpecker – one in garden.

Spent entire day in Museum working on Brown Coal. Rep.

Gilbert returned from Washington last night

NOTES FOR 1902

Remember January 28
February 9
August 31
October 5

Bethel Stories, Sayings & Jokes

MEMORANDA

Stranger: "Is Bethel a good place to live?"
Old Resident: "Wall! yes! that is if a feller doesn't mind fussin' around on wheels for a few weeks every year"

Old Man Whatcomb. "Darn my tripe" also, "I'm a blue-bellied Yankee; I've got a blue stripe up & down my belly"

Moses Mason: "If I had that piece of yourn Doctor [Lehring] I'd cut down all that ere brush & plant pertaters."
(The "brush" consists of rose arbors & deciduous shrubs planted on the lawn)

MEMORANDA

English Cockney: "I notice you Americans say 'where am I at?' The English say 'where is my 'at?'"

Oriental Bazar Preservation.
16 parts burnt down to 1 part Salt pecan

Round Adirondack Snows. Photo like Nelson can be furnished by A. M. Church, Boonville, N.Y.

Big photo of forest on Nisqually road like Nelson & Coville's can be furnished by E. S. Curtis, Seattle, Washington.

Things left at Dr. Gehring's, Bellingham March 9th 1906

In dark room: - Six 5" x 7 glass trays, two large square rubber trays for hypo fixing (each will hold four 4 x 5" or two 5" x 7 plates), one glass graduate 4 oz., two glass funnels, one thermometer for testing temp. of developer, one Zinc 5" x 7 washing box.

In upper compartment of my closet
One pair black rubber boots, 3 boxes (1 doz.) of 5" x 7 Seeds plates, bottles of Arnold ink, copying ink & Curtis Tirol black ink

Name	Wages Engaged		Wages When Due	Wages When Paid	Amount

Christmas Presents

LETTER REGISTER

Name	Received	Answered
C. F. B.		
E. R. S.		
Walter D.		
Maggie "		
Chapman		
Purdie		
Dr. Coolidge		
George & Barry J.		
Harry & Mary C.		
The Spelmans		
Sally D.		
Gilbert		
Hale		
Mr. Horn		
Pax Fleming		
The Bensons		
Lucinda Marion		
"		
Henry Parker	Chelmsford, Mass	
Elmer E. Warren	"	"
Percy Furbush	"	"
Henry Philbrick	"	"
Elmer Olsen	Acton Center	"
James W. Long	Carlisle	"
Christian Hanson	"	

Subscriptions

LETTER REGISTER

Name	Received	Answered
Prospect Union		

ADDRESSES

Name	Residence
Joseph Lerner (nurse)	Lerner Hall, Mt. Auburn St.
Clarence J. Blake M.D	226 Marlboro St. Boston
C. B. Cory	160 Boylston " "
F. H. Gilson	60 Stanhope " "
David W. Cheever M.D.	557 Boylston " "
J. W. Vinal Jr (Love Dinner A. P. Anderson)	7 Dock Square "
Miss C. M. Carr	South Sudbury, Mass.
Henry A. Dreer (aquatic plants)	714 Chestnut St., Phila.
C. E. Bailey	21 Middlesex St. Malden, Mass.
Joseph Potter	110 Dorchester Ave. Cleveland, Ohio
R. A. Gilbert	24 Windsor St., Cambridge
Pat Halloran	30 Marion St., Lowell (Dumbbell room found on Dorris Hall Nov. 2)
Jim Coulan	Billerica (Halloran's in person found)

ADDRESSES

Name	Residence

Desirable Plants

VISITS

Name	Address
Moraea bonelayana	Flowering Urn, Brooklyn. Generally admired by E. R. S.
Nymphaea devoniensis	(night blooms)
" Kewensis	Recommended by Outram Bangs & for
" Zanzibarensis rosea	sale by Henry A.
" azurea (cup. fine blue)	Dreer, 714 Chestnut St.
" stellata (blue)	Phila.
" scutifolia ")	
" gracilis (")	
Evergreen Jem Rose	Shady Hill
Jersey Beauty "	Nursery Coll.
Giant Mont Cenis Germania	
Burbank Lily	

Plants for winein polling

VISITS

Reception Day	Visit Received	Visit Returned
Juleps		

Birds noted at Bethel, Maine

MEMORANDA

Date January, 1901 - Dolls. Cts.

✓ Parus atricapillus 1(2) 2 hd 3(3)(5) 4(2) 5(2) 6(3)(44) 7(3) 8(3) 9(5)(3) 10(2) 11 2 12(5)(3) 13(5) * 14(3) * 15(3) 16(5) 17(2)(4) 13 hd. 18 hd 20 Woodland 23 hd. 26 (5) 31(4)

✓ Regulus satrapa 1 hd. Glen woods, 3 hd. 6 hd 8 hd 9 hd 14 hd 20 Woodland (1) 23 hd

✓ Certhia f. americana 1' Glen Woods 3 hd. 6' 9(2) 13 2 G.W. G.W. G.W. (1) G.W. 18 hd 20 hd

✓ Sitta canadensis 6(2) 7 hd 9 hd 12 2 on suet 13 2 14' 16 (2) feeding suet

✓ Spinus tristis

✓ Sporella montana 9' Glen Woods 20' aquarium

✓ Cyanocitta cristata 3 hd. 4 2 6 3 8 hd 9 hd 13' * 14' * 15' 18' 21' * 22' 23' 24' * 25(2) 26' 27' * 31 hd

✓ Bonasa u. togata 6 female 7' Glen Woods G.W. G.W. 18 female

✓ Myiotalus j. medianus 2.27

Passer domesticus 9 (20)

Birds noted at Bethel, Maine

MEMORANDA

Date January Dolls. Cts.

Birds noted at Bethel, Maine

BILLS RECEIVABLE February 1901.

Date	Name	Dolls	Cts.
✓ 1.	Parus atricapillus 1³ Hooker 1⁴ 12² 14⁵ n6		
✓ 2.	Regulus satrapa 9 W. 1² 3¹ Wood road 17² hd. 19¹ 21²		
	C		
✓ 3.	Certhia f. americana 21 hd.		
✓ 4.	Sitta canadensis Glen woods 23¹ hd 26 hd.		
✓ 5.	Dryobates villosus 28 Grove Hill Road (heard only)		
✓ 6.	Cyanocitta cristata 1 Rd 2¹ 3² 4 hd 10 hd		
✓ 7.	Bonasa u. togata 19 Wood road Bush Hawk		
✓ 8	Sitta carolinensis 24 Cumber Camp		

March.

✓	Parus atricapillus 1 (3) 3² Hooker 7¹ ✱		
✓	Regulus satrapa 1 (2)		
✓	Sitta canadensis 3 hd 7 hd.		
✓	Cyanocitta cristata Grove Hill 3 hd 5³ ✱ 7 hd. 8 (2)		
✓	Dryobates pubescens Mill St. 3¹ ✱		

Birds noted at Bethel Maine

BILLS PAYABLE

Date	Name	Dolls	Cts.
16¹ (2) 17 hd 19 (3 21² Swamp flowers 23 4 n 24¹ 26 (3			
26 (2)			
Valley 12² ✱	Duff Mills 14¹	16³ ✱	Wood road Oak trees 17 (2) (1) 18 19 (3 24¹
21 Glen Woods Feathers & cone Killed by Hawk			

Cash Account—January

Date		Received	Paid
	Bonds,		
6	Mexican Central — due 1910		
1	~~Racine Water Works, 1897~~ Sold July 22, 1901		
Shares	**Stocks.**		
35	Boston & Providence		
15	" " Albany		
15	Old Colony		
103	Fitchburg		
80	Jersey Mar. Cold Storage		
166	Boston Library		
15	Brownfield Building		
5 3	Am. Telephone & Telegraph Co.		
~~22~~	~~Bell Telephone~~		
10	Third Nat. Bank (Sold Apr. 8)		
~~5~~	~~Hub & Lo. Ins~~ " "		
3	Merrimac "		
37	West End R.R. Pref.		
25	Shady Hill Nursery		
117	Cambridge Field		
100	Newspaper Board		
~~16 91/100~~	~~Electric Pref.~~ (Sold April 8)		
50	West End Land		

Correct Camera Exposures

Cash Account—January

Presto 4 x 5 Cheap Lens Weather Time of day Stop Ex.

Date		Received	Paid
11th	Dark Cloudy — Snowing heavily.		
11th	(1) Foot path between overarching, snow powdered firs (carry tripod with) 3 P.M. Smallest		10 sec.
	(2) Wood opening 20 yds. across background low snow powdered firs 3 P.M.	"	"
	(3) Snow laden white pine 20 yds off in narrow opening 3.30	"	" "
13th	(3) Same pine still snow laden Brilliant sun Noon	"	1/4 "
14th	Hence Clear Camera. Brilliant sun		
	(4) Open field background of snow powdered woods 60 yds off with dark central member " 8.30	"	1½ sec.
	(5) The same but woods nearer 30 yds " " 40	"	2 "
	(1) Repeated. Trees still snow laden " 9	"	7 "
	(2) " " " " " " 9.10		2 "
	(3) " " " " " " 9.30		2 "
15th	Primo Camera. Cheap lens		
	6. Flower stand with white in pots background, red white etc. in hyacinths, red white etc. in Cloudy 2 P.M.	"	1½ min.
	7 Book case dark corner " " "	"	5 min.
20th	8 Miss Muller — white dress in dark Veiled sun " " #4		1/5 sec.
21	9 Girls, white dresses, parlor, shades down Clear " " #4		1/4 "

Cash Account—February

Date		Received	Paid

Cash Account—February

Date		Received	Paid

Correct Camera Exposures

Cash Account—March

Date	Folding Kodak	Weather	Time of day	Received	Stop	Time of exp.	Paid
3rd	Snow foregrounds, pines in background, distant hills & mountains	Brilliantly clear	10 a.m. to 1 P.M.		Smallest	1 sec	
					Next to smallest	3/4 "	
5	Henry Clay 5×7						
	Snow laden pines & road.	Sunny but hazy	9 a.m.	45		1 "	
	Ox teams at mill & road partly in shadow		10 "	22		1/2 "	
6	Open country, snow foreground, trees in background, distant mts.	Clouds & clear	9.30 a.m. to 12 noon	45		1 "	
	Open country, dark evergreens in near background			45		1 1/2 "	
	Wood opening background of evergreens within 100 yds.			45		2 "	
10	Yellow and brown houses in Portland with trees, shrubbery & grey walls or fences. Only a little snow in lighter corners	Brilliantly clear	11.30 - 1.30 P.M.	45		5 "	

Cash Account—March

Date	Received	Paid

Cash Account—April

Date		Received	Paid

Cash Account—April

Date		Received	Paid

Summary

	Received	Paid
Cash on hand Jan. 1		
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Total		
Balance to new account		

Calendar for 1902.

1902	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
Jan.	. .	. .	. .	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	. .
Feb.	. .	. .	. .	. .	. .	. .	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	. .
March.	. .	. .	. .	. .	. .	. .	. .
	. .	. .	. .	. .	. .	. .	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	. .	. .	. .	. .	. .
April.	. .	. .	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	. .	. .	. .
May.	. .	. .	. .	. .	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
June.	. .	. .	. .	. .	. .	. .	. .
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	. .	. .	. .	. .	. .

1902	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
July.	. .	. .	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	. .	. .
Aug.	. .	. .	. .	. .	. .	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	. .	. .	. .	. .	. .	. .
Sept.	. .	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	. .	. .	. .	. .
Oct.	. .	. .	. .	. .	. .	. .	. .
	. .	. .	. .	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	. .
Nov.	. .	. .	. .	. .	. .	. .	1
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	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	. .	. .	. .	. .	. .	. .
Dec.	. .	1	2	3	4	5	6
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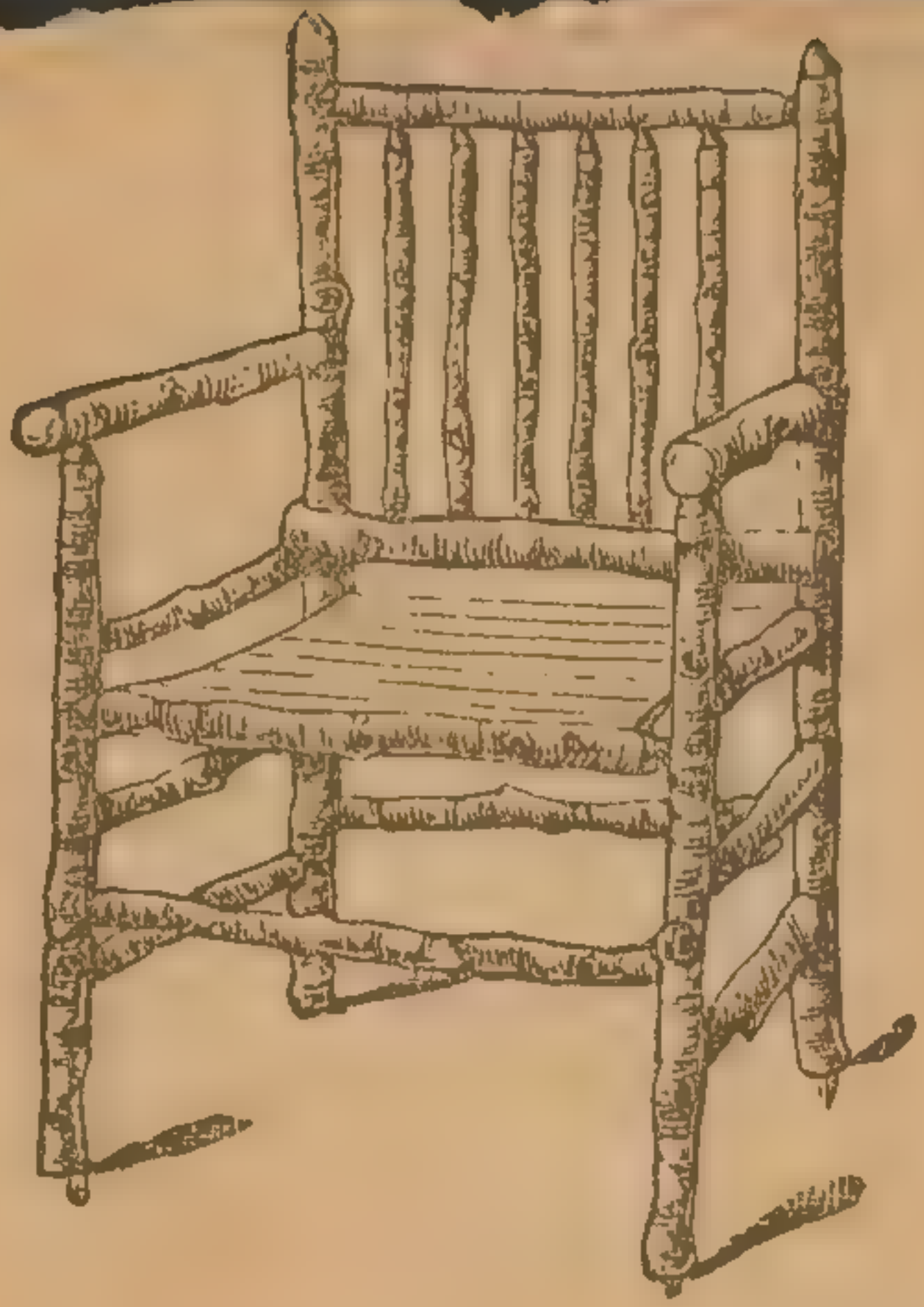
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	. .	. .	. .



The Clerk of the Woods

Wanted: A Building Lot

WHETHER our interest in birds be studious or friendly, it is not necessary for us to be constantly seeing new species. The most familiar will still show us unfamiliar traits. The only thing is to keep an eye on their doings, and to question ourselves as to what is passing in their minds.

Three days ago, hearing from a distance several vesper sparrows singing in a mowing-field, I went a little out of my way to cross it, and presently found myself on a bit of knoll with the birds in tune on all sides. They were the first that I had seen this season, though I had heard the song of one on the 11th. I stood still to watch and listen. There is little bird music that is more to my taste than the vesper sparrow's; and there is none that surpasses it in a certain sweet placidity or in a certain touch of artistic perfection. It is worthy of its maker's name. Nobody need desire a truer vesper service than to sit, after sundown, on a fence between an old pasture and a stretch of grass land, with one or two vesper sparrows (grass finches is another pretty name for them) singing on one side and one or two field sparrows on the other. Serenity, sanctity, peace of heart and soul, all that saints have ever prayed for, yea, the rest and purity of heaven itself, have here found expression.

Well, as I said, I was standing motionless, when I became aware that two of the birds, the two nearest me, were chasing each other about, evidently engaged in some kind of controversy. They kept mostly in the grass, and restricted themselves to a very limited area, seemingly determined, no matter how hot matters might become, never to go outside of a certain narrow circle. All the while they sang, both of them, every few seconds. Often they sang on the wing, one in pursuit of the other, always within a few feet of the ground, all their flights being extremely short, of course, since neither of them would be driven beyond the prescribed limits. To leave the ring would perhaps have been to acknowledge defeat. Again and again they faced each other like game cocks, and less often they rose into the air, beak to beak. Only twice did I see them actually come to blows and roll over and over in the grass. The rest of the contest was of a pretty Quakerish, non-combative complexion; a trial of endurance, it seemed, rather than of brute force. Once (and this had a ludicrous look) the birds stood and stared at each other, their bills being only a few inches apart, and one of them sang, and repeated the strain. "Hear that," he seemed to say, "and hear that!"

For half an hour, more or less, I kept quiet and watched the show, asking myself all the while what it meant. Once the birds perched, one on a fence post, one in a low sapling—the only one near—and sang and sang by turns. Now and then they separated for a fraction of a minute, but at once resumed activities, chasing each other through the grass or through the air just above it, and anon coming again to close quarters. When they were not singing they emitted almost continually little crackling, bill-snapping, spiteful-sounding noises, which put me in mind of a canary cracking seeds.

What was all this about? Were the birds rivals in love? Possibly. But, if so, where was the fair loved one? For a time, it is true, a third bird came into the ring near them; but neither contestant paid the slightest attention to her (or to him), and presently she (or he) went away.

At first—for perhaps five minutes—I took the birds for male and female. The male was courting, I thought (for the wooing of birds, in some cases at least, looks very much like a fight), and when, after a hot chase and a moment of silence, he flew across the ring and the second one at once followed, I was careless enough to laugh. "Ha, ha!" said I. "She says no, but when her suitor takes her at her word, she comes to her senses in a hurry." It was a hasty judgment, and an unworthy piece of cynicism; for just then I discovered that both birds were singing, one as freely and as well as the other, and therefore were almost certainly both males.

They were not lover and lass, it was plain, nor was there any indication that they were rival suitors. What then was the meaning of all this curious and wonderfully resolute belligerency? As to that, I do not mind admitting that I had a theory, but before stating it I should like to describe a similar scene, witnessed some years ago, between two birds of the warbler family. That also was in early April—April 4, 1890. I quote from my diary:

"Last evening was very mild, with a bright moon, and in writing to —— I said that the night ought to bring us some birds —'pine warblers, perhaps.' This morning, in Dr. Emery's pines, I found them; two birds, both singing. They were behaving in a strange and puzzling manner; chasing each other about among the trees, often not alighting for many minutes together, and never going out of the small wood, a pitch-pine grove on a rounded hilltop. Then one would perch and sing once—possibly twice—and immediately the other would do the same in another tree at some distance. They behaved like male and female. The pursuit was gentle, never with any sign of anger or any attempt to pounce one upon the other.

"I went farther, and came back in half an hour or more; and they were still engaged in precisely the same manner. I tried now to determine their sex by the state of their plumage, but they gave me no good opportunity till at last they all at once got their bills together and came slowly to the ground, say twenty feet from me, head to head. They remained on the ground for perhaps half a minute, but were in bushes and grass and in such a jumble that I got no really good idea of their plumages, except that I thought then, as I had done previously, that one bird was somewhat brighter than the other. As well as I could make out, one of them had grasped the other's bill in its own. They tumbled about for a little and then separated, and at once resumed their chase of each other among the trees. They never once uttered a note, either in flying or during the time they were struggling on the ground, except as they perched and sang.

"Now, then, does the female pine warbler sing? Or were the birds both males contending for the possession of this piece of woods—trying to wear each other out? One sang as well as the other, for aught that I could see. They were still chasing each other when I came away, and had been doing so for at least an hour. This pitch-pine grove is a favorite resort of pine warblers. One was singing there last autumn as late as Oct. 12."

Two days later I find another entry in my journal: "Only one pine warbler in the Emery pines as far as I could discover."

With this observation I place another made, I think, still longer ago. Then two male chestnut-sided warblers were watched for a long time chasing each other round and round a patch of shrubbery—huckleberry bushes and the like—in a pasture. As I remember the scene, it was exactly like the one just described, lacking only the dramatic bill-to-bill episode. In that case the sex of the birds was practically unmistakable, and I had little or no question that the contestants were, as I have intimated above, trying to wear out each other's patience. Both had pitched upon the same desirable summer quarters, and neither would give up the place till he had seen whether the other wanted it still more than himself. They had no way of settling the controversy by lot or by arbitration, we may suppose, and were holding a primitive kind of auction. Each song was a bid, and the site was to be his who should bid longest.

This, then, is my theory or hypothesis (or guess, if the reader so pleases—it is all one) as to the meaning of my vesper sparrows' conduct. Hayfields and huckleberry pastures are broad, but the birds have never too much room. A good place is a good place, and, like other good things, within reason it is worth fighting for.

BRADFORD TORREY

Boston Transcript

WEDNESDAY, APRIL 24, 1901

Boston Herald, March 9, 1901.

Wolves roaming at large within the city limits would not be pleasant individuals to meet in our parks. A Boston man, however, did meet a wolf in Franklin Park yesterday. He is Joseph McNulty, a laborer, employed in the park.

As he was driving near the spot known as "the quarry," near Schoolmaster hill, he noticed what he thought was a large dog foraging about the "quarry." Seeing that the beast had no collar, he stopped his horse and attempted to catch him. The wolf turned on hearing the man's footsteps, and when McNulty discovered his mistake the animal had made off into the stretch of woodland known as the "wilderness."

McNulty then informed Lieut. W. A. Dennis of the park police that a wolf was at large in the park. The lieutenant detailed Patrolman George S. Richardson, who has the reputation of being a crack shot, to go on a hunt for the beast. Richardson armed himself with a rifle and went in search of the wolf, which he discovered within a half an hour, roaming among the bushes and trees in the "wilderness." Richardson brought down the wolf with the first shot, but did not kill him. The policeman then approached nearer and ended the animal's life with two revolver shots in the head.

The wolf was of the common gray species, weighing about 35 pounds. His pelt was badly injured by the shots. The carcass was taken to the station at the "Overlook" and was hung from the limb of a tree in a secluded spot where dogs cannot do it injury.

About a year ago Patrolman Richardson shot another gray wolf in the same locality. At that time it was said that two wolves had escaped from a vessel lying at one of the city wharfs, and that the second wolf would be sure to show up. Nothing, however, was thought of the possibility of such a thing happening until yesterday. Where the wolf has concealed itself all of the intervening time no one knows, and not one of the thousands of people who visit the park in a season has reported the presence of the animal.

The pelt of the wolf shot one year ago was cured and made into a fine rug and was then presented to Capt. Brown of station 13, and now ornaments a room at his residence on Alveston street, Jamaica Plain.

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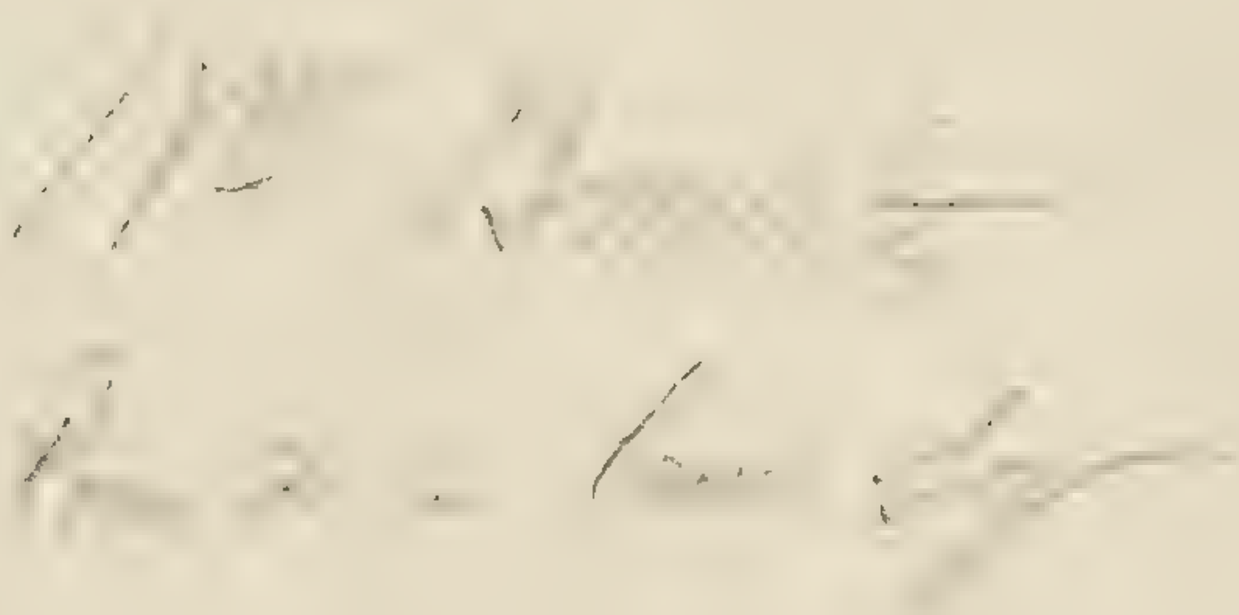

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